SCHEMATIC DIAGRAM

MODEL : 26WL46B/26WL46G

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL.

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on the MANUAL for this model. Do not degrade the safety of the receiver through improper servicing.

NOTE:

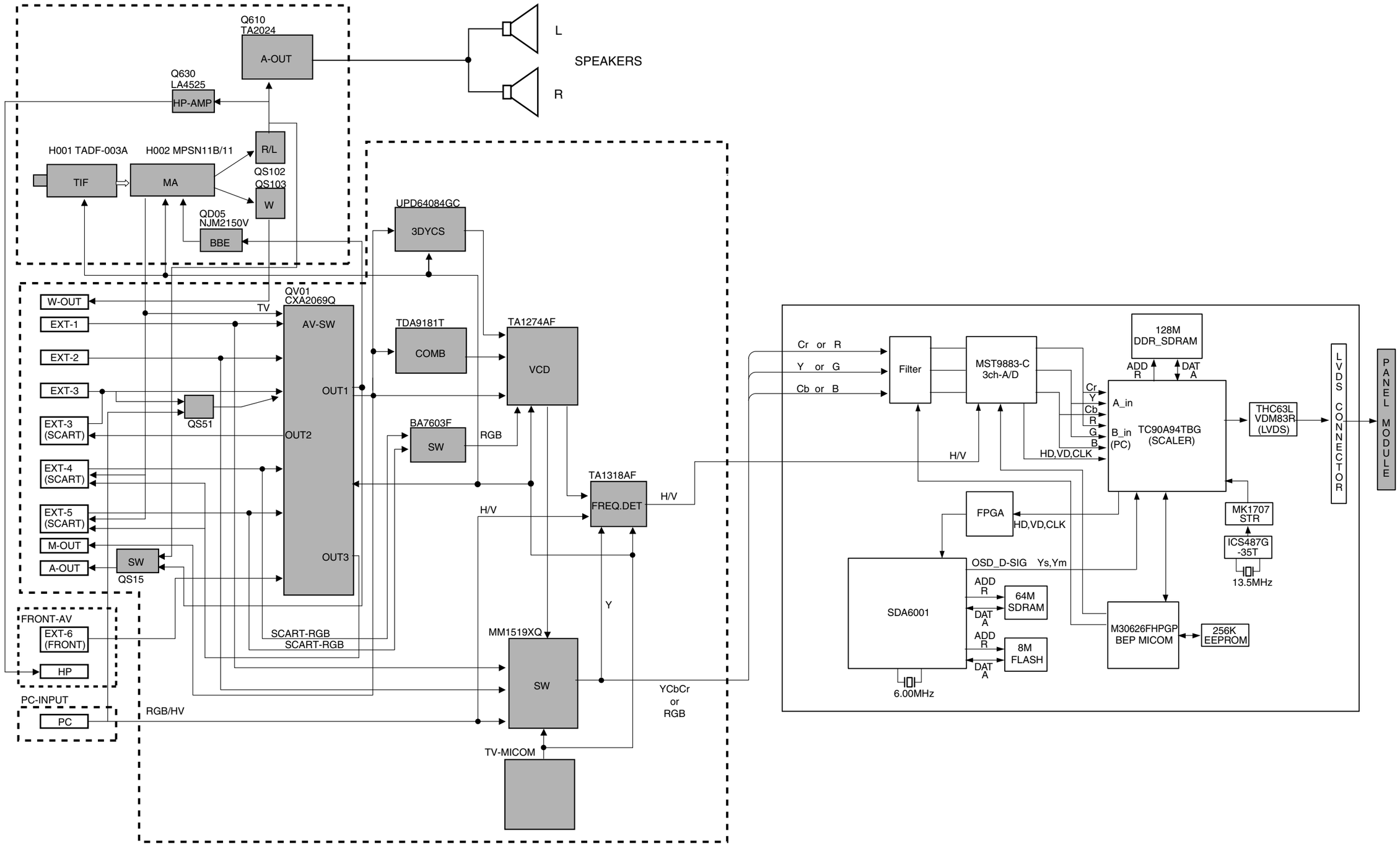
1. RESISTOR Resistance is shown in ohm [K = 1.000, M = 1.000.000]. All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
   1/2R = Metal or Metal oxide of 1/2 watt 1/2S = Carbon compsistion of 1/2 watt
   1RF = Fuse resistor of 1 watt 10W = Cement of 10 watt
   K = ±10% G = ±2% F = ±1%
2. CAPACITOR Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in μF, and the values more than 1 in pF.
   All capacitors are ceramic 50V, unless otherwise noted as the following marks.
   —|+|— Electolytic capacitor —|M|— Mylar capacitor
3. The parts indicated with "⚠" have special characteristics, and should be replaced with identical parts only.
4. Voltages read with DIGITAL MULTI-METER from point indicated to chassing ground, using a color bar signal with all controls at normal, line voltage at 220 volts.
5. Waveforms are taken receiving color bar signal with enough sensitivity.
6. Voltage reading shown are nominal values and may vary ±20% except H.V.

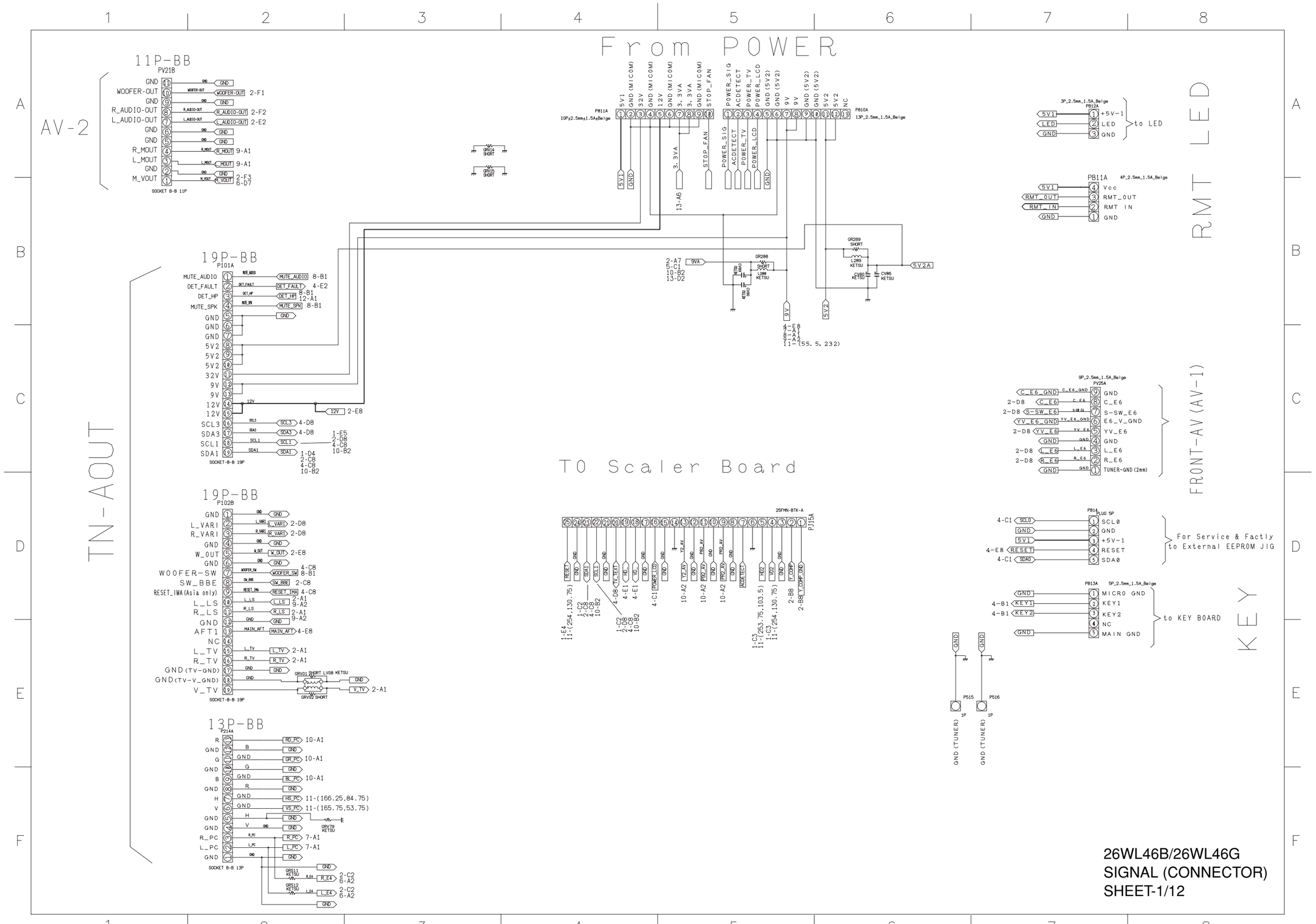
■ SCHEMATIC DIAGRAM STRUCTURE:

- SIGNAL Circuit
  - CONNECTOR [SHEET– 1/12] 1/49
  - AV [SHEET– 2/12] 2/49
  - Y/PB/PR_SW [SHEET– 3/12] 3/49
  - MICOM/TEXT [SHEET– 4/12] 4/49
  - V/C [SHEET– 5/12] 5/49
  - SIGNAL from AV [SHEET– 6/12] 6/49
  - PC AUDIO SWITCHING [SHEET– 7/12] 7/49
  - AUDIO-MUTE [SHEET– 8/12] 8/49
  - MON OUTPUT [SHEET– 9/12] 9/49
  - COLOUR DIFFERENCE SWITCHING [SHEET– 10/12] 10/49
  - SYNC_SW [SHEET– 11/12] 11/49
  - 3D YCS [SHEET– 12/12] 12/49
- TN-AOUT Circuit
  - CONNECTOR [SHEET– 1/7] 13/49
  - TIF & MA [SHEET– 2/7] 14/49
  - AUDIO GAIN CORRECTION [SHEET– 3/7] 15/49
  - A-OUT [SHEET– 4/7] 16/49
  - HP-AMP [SHEET– 5/7] 17/49
  - PC_INPUT [SHEET– 6/7] 18/49
  - TEMP SENSOR [SHEET– 7/7] 19/49
- FRONT-AV Circuit 20/49
- AV-2 Circuit 21/49
- OVERALL CONNECTION Circuit 22/49
- KEY SW Circuit 23/49
- LED/RMT Circuit 24/49
- POWER SW Circuit 25/49
- DATA_REWRITE Circuit 26/49
- SCALER Circuit
  - DIGITAL INPUT [SHEET– 1/23] 27/49
  - CAPTURE INPUT [SHEET– 2/23] 28/49
  - MEMORY CONNECTION [SHEET– 3/23] 29/49
  - PLL [SHEET– 4/23] 30/49
  - IIC [SHEET– 5/23] 31/49
  - POWER [SHEET– 6/23] 32/49
  - SUB MICOM (1) [SHEET– 7/23] 33/49
  - SUB MICOM (2) [SHEET– 8/23] 34/49
  - SUB MICOM (3) [SHEET– 9/23] 35/49
  - LVDS OUT [SHEET– 10/23] 36/49
  - POWER CONNECTOR AND DIMMING [SHEET– 11/23] 37/49
  - LVDS POWER AND OTHERS [SHEET– 12/23] 38/49
  - LVDS OUT (SHARP LCD) [SHEET– 13/23] 39/49
  - CONNECTOR [SHEET– 14/23] 40/49
  - 3CHADC2_LPF [SHEET– 15/23] 41/49
  - 3CHADC1 [SHEET– 16/23] 42/49
  - DC/DC CONVERTER [SHEET– 17/23] 43/49
  - M2 (1) [SHEET– 18/23] 44/49
  - M2 (2) [SHEET– 19/23] 45/49
  - M2 (3) [SHEET– 20/23] 46/49
  - M2 (4) [SHEET– 21/23] 47/49
  - M2 (5) [SHEET– 22/23] 48/49
  - M2 (6) [SHEET– 23/23] 49/49

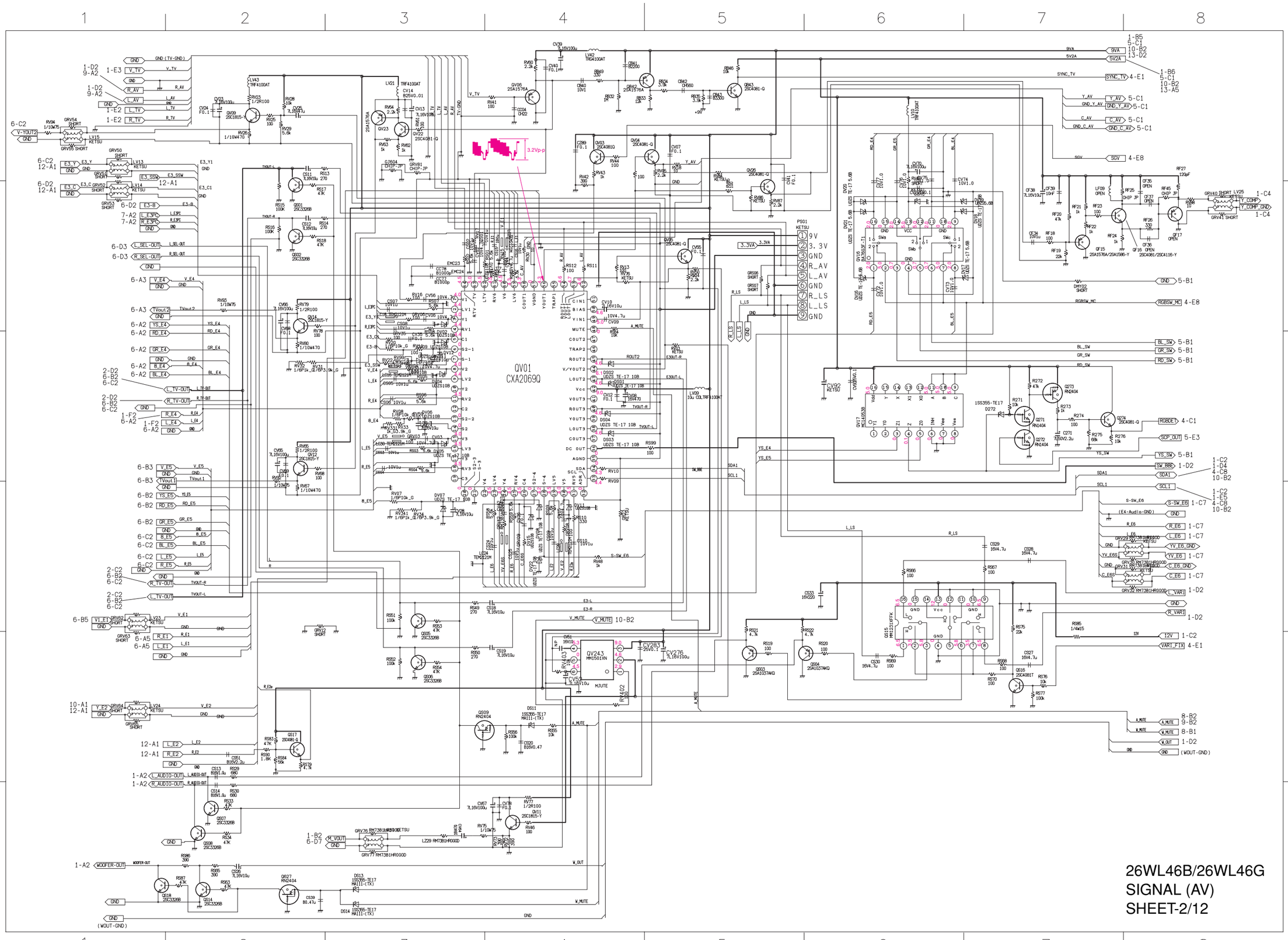
THIS PAGE IS INTENTIONALLY LEFT BLANK.

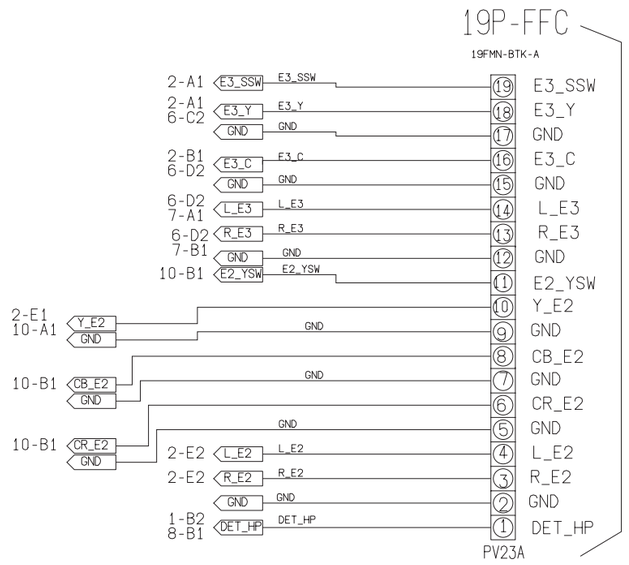
CIRCUIT BLOCK DIAGRAM





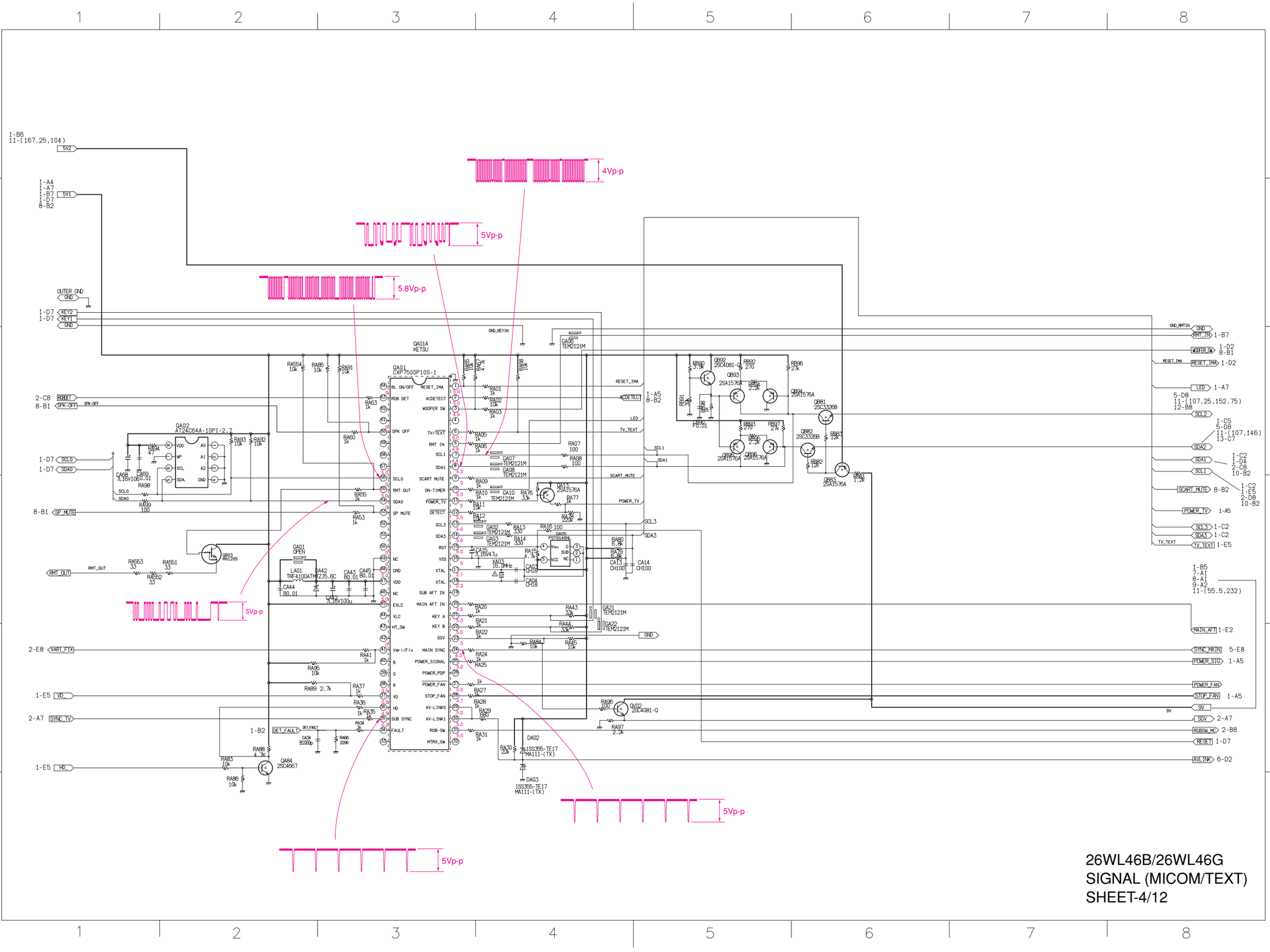
26WL46B/26WL46G
SIGNAL (CONNECTOR)
SHEET-1/12

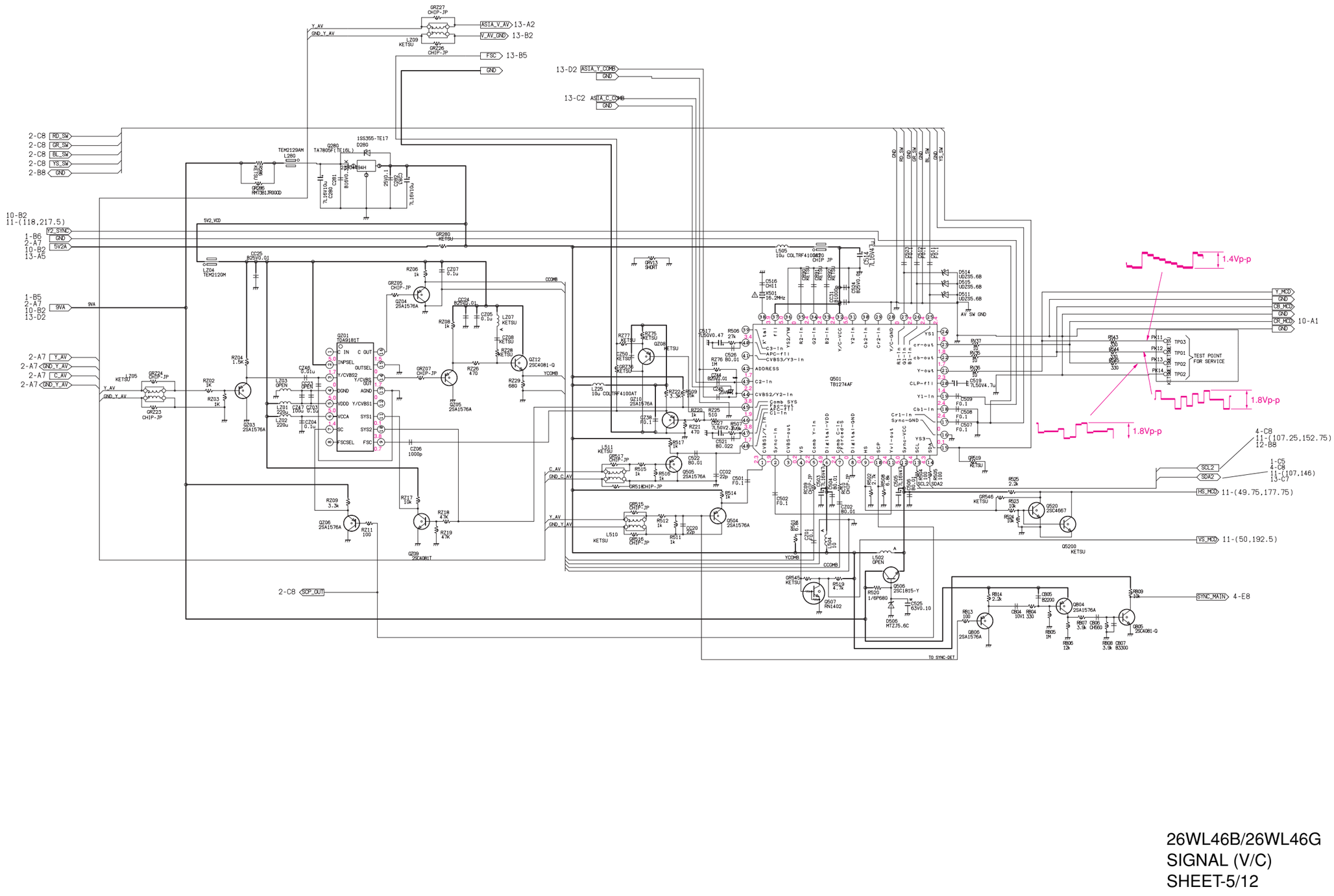

QV01
CXA2069Q
3.2Vp-p
26WL46B/26WL46G
SIGNAL (AV)
SHEET-2/12



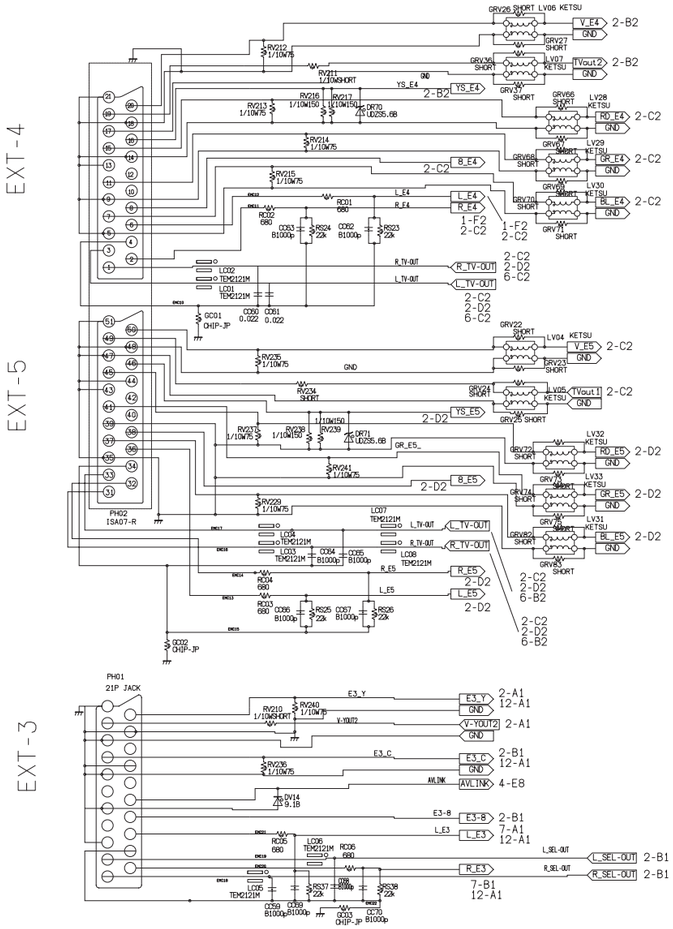
FRONT-AV (More than 32")
(AV-1)

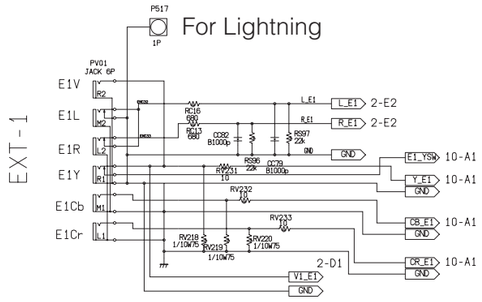
26WL46B/26WL46G
SIGNAL (Y/PB/PR_SW)
SHEET-3/12


1-B6
11-(167.25,104)
5V2
1-A4
1-A7
1-B7
1-D7
8-B2
5V1
OUTER GND
GND
1-D7 KEY2
1-D7 KEY1
GND
4Vp-p
5Vp-p
5.8Vp-p
GND_KEYIN
GA05
TEM2121M
QA01A
KETSU
QA01
CXP7500P10S-1
RESET_IMA
ACDETECT
WOOFER SW
LED
TV/TEXT
RMT IN
SCL1
SDA1
SCART MUTE
RMT OUT
ON-TIMER
POWER_TV
SP MUTE
DETECT
SCL3
SDA3
RST
VSS
XTAL
XTAL
SUB AFT IN
MAIN AFT IN
KEY A
KEY B
SGV
MAIN SYNC
POWER_SIGNAL
POWER_PDP
POWER_FAN
STOP_FAN
AV-LINK0
AV-LINK1
RGB-SW
MTRX_SW
BL ON/OFF
RGB DET
SPK OFF
SCLG
SDAG
NC
GND
VDD
NC
EXLC
XLC
HT_SW
Vari/Flx
B
G
R
VD
HD
SUB SYNC
FAULT
2-C8 ROBOT
8-B1 SPK-OFF
QA02
AT24C64A-10PI-2.7
1-D7 SCLG
1-D7 SDAG
8-B1 SP_MUTE
RMT_OUT
QB03
KN1205
QA01
TRF4100ATM
QA42
Z5.6C
QA84
2SC4667
2-E8 VARI_FIX
1-E5 VD_
2-A7 SYNC_TV
1-B2 DET_FAULT
1-E5 HD_
5Vp-p
RESET_IMA
ACDETECT
LED
TV_TEXT
SCL1
SDA1
SCART_MUTE
POWER_TV
SCL3
SDA3
GND
QB92 2SC4081-Q
QB93 2SA1576A
QB94 2SA1576A
QB95 2SA1576A
QB96 2SA1576A
QB81 2SC3326B
QB82 2SC3326B
QB83 2SA1576A
QA13 2SA1576A
QA05 PST9146NL
QV02 2SC4081-Q
DA02 1SS355-TE17 MA111-(TX)
DA03 1SS355-TE17 MA111-(TX)
GND_RMTIN
MUTTER_SW
RESET_IMA
LED
SCL2
SDA2
SDA1
SCL1
SCART_MUTE
POWER_TV
SCL3
SDA3
TV_TEXT
1-B5
7-A1
8-A1
9-A2
11-(55.5,232)
MAIN_AFT
SYNC_MAIN
POWER_SIG
POWER_FAN
STOP_FAN
9V
SGV
RGBSW_MC
RESET
AVLINK
26WL46B/26WL46G
SIGNAL (MICOM/TEXT)
SHEET-4/12

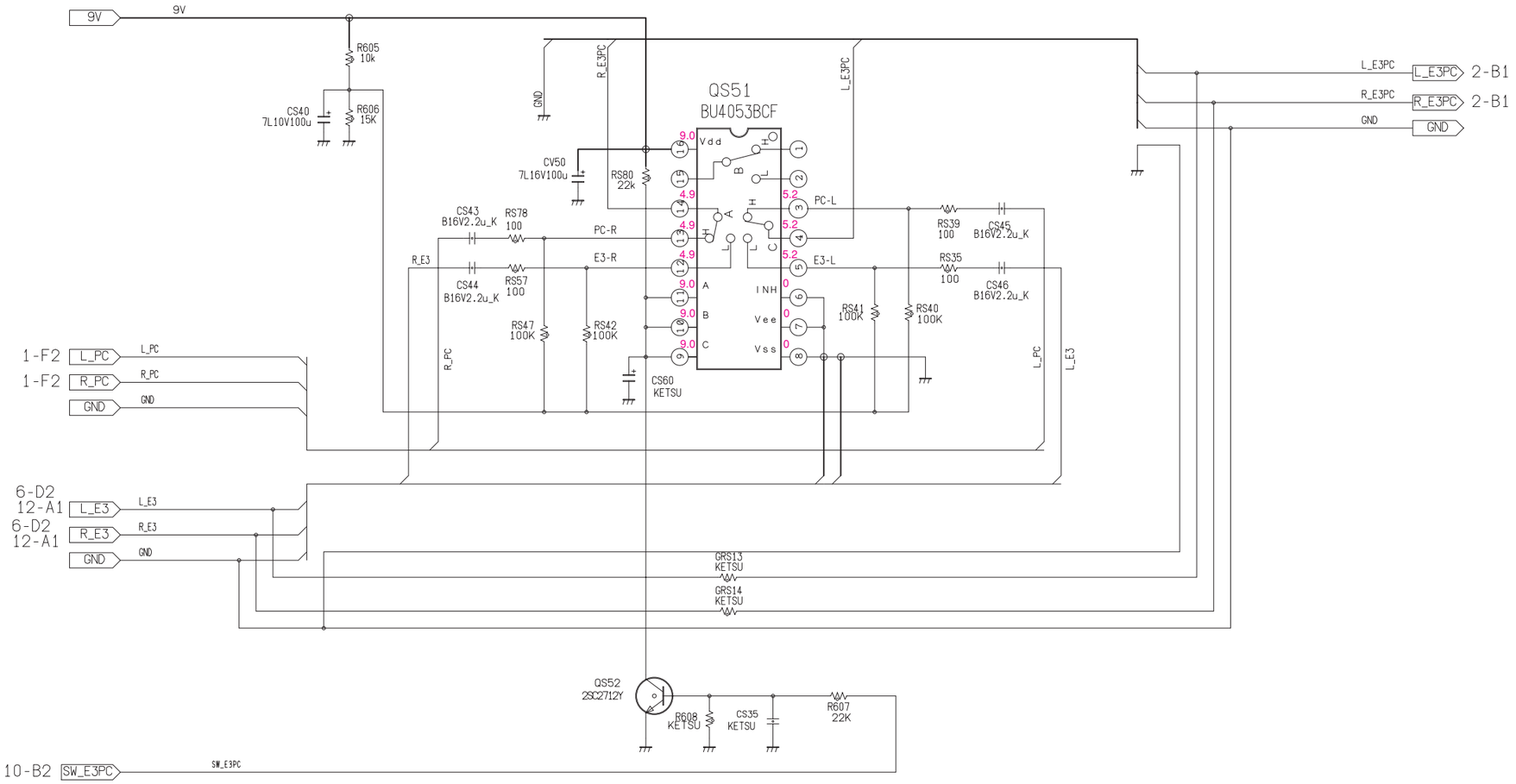

26WL46B/26WL46G
SIGNAL (V/C)
SHEET-5/12
1.4Vp-p
1.8Vp-p
1.8Vp-p
TEST POINT FOR SERVICE
AV SW GND
5V2_VCD
9VA
CCOMB
YCOMB
TO SYNC-SET
Y_AV
GND_Y_AV
C_AV
GND_C_AV
ASIA_V_AV
V_AV_GND
FSC
ASIA_Y_COMB
ASIA_C_COMB
SCP_OUT
SYNC_MAIN
HS_MCU
VS_MCU
SCL2
SDA2
TBI1274AF
TDA9181T
TA7805F(TE16L)
1SS355-TE17
TEM2129AM
TEM2122GM
2SA1576A
2SC4081-Q
2SC4667
2SC1815-Y
RN1402
RN1407
7L50V0.47
7L16V4.7u
7L16V10u
7L50V4.7u
7L50V2.2u
7L50V1.0u
16.2MHz
1/8PR80
MTZ5.6C
63V0.10
63V0.01
B0.01
B0.022
F0.1
4-C8
11-(107.25,152.75)
12-B8
1-C5
4-C8
11-(107,146)
13-C7
11-(49.75,177.75)
11-(50,192.5)
4-E8
10-A1
13-A2
13-B2
13-B5
13-D2
13-C2
10-B2
11-(118,217.5)
1-B6
2-A7
10-B2
13-A5
1-B5
2-A7
10-B2
13-D2
2-C8 RD_SW
2-C8 GR_SW
2-C8 BL_SW
2-C8 YS_SW
2-B8 GND

(5/49)

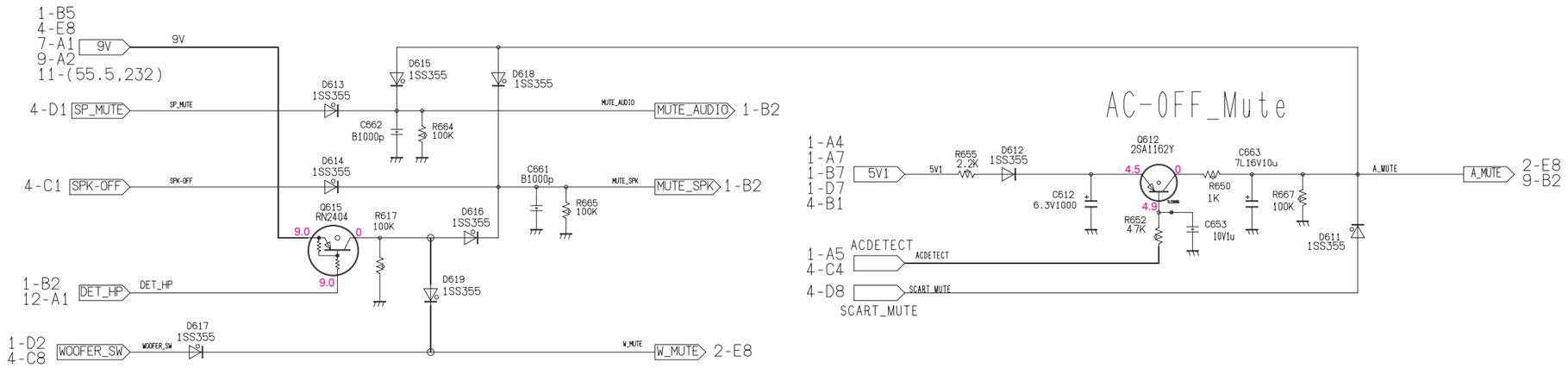




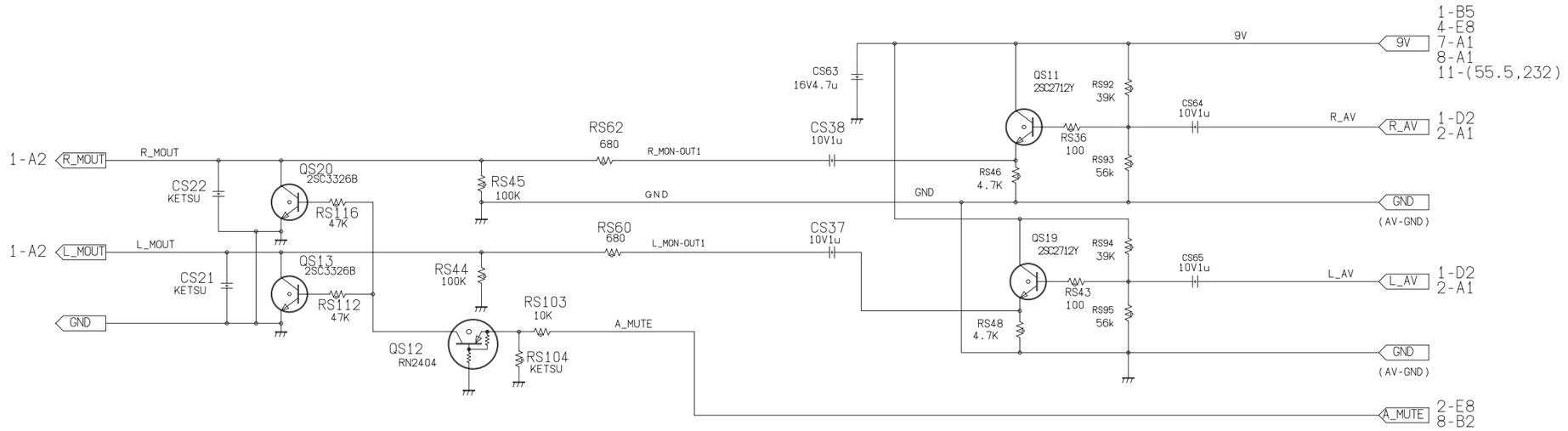
26WL46B/26WL46G
SIGNAL (SIGNAL from AV)
SHEET-6/12



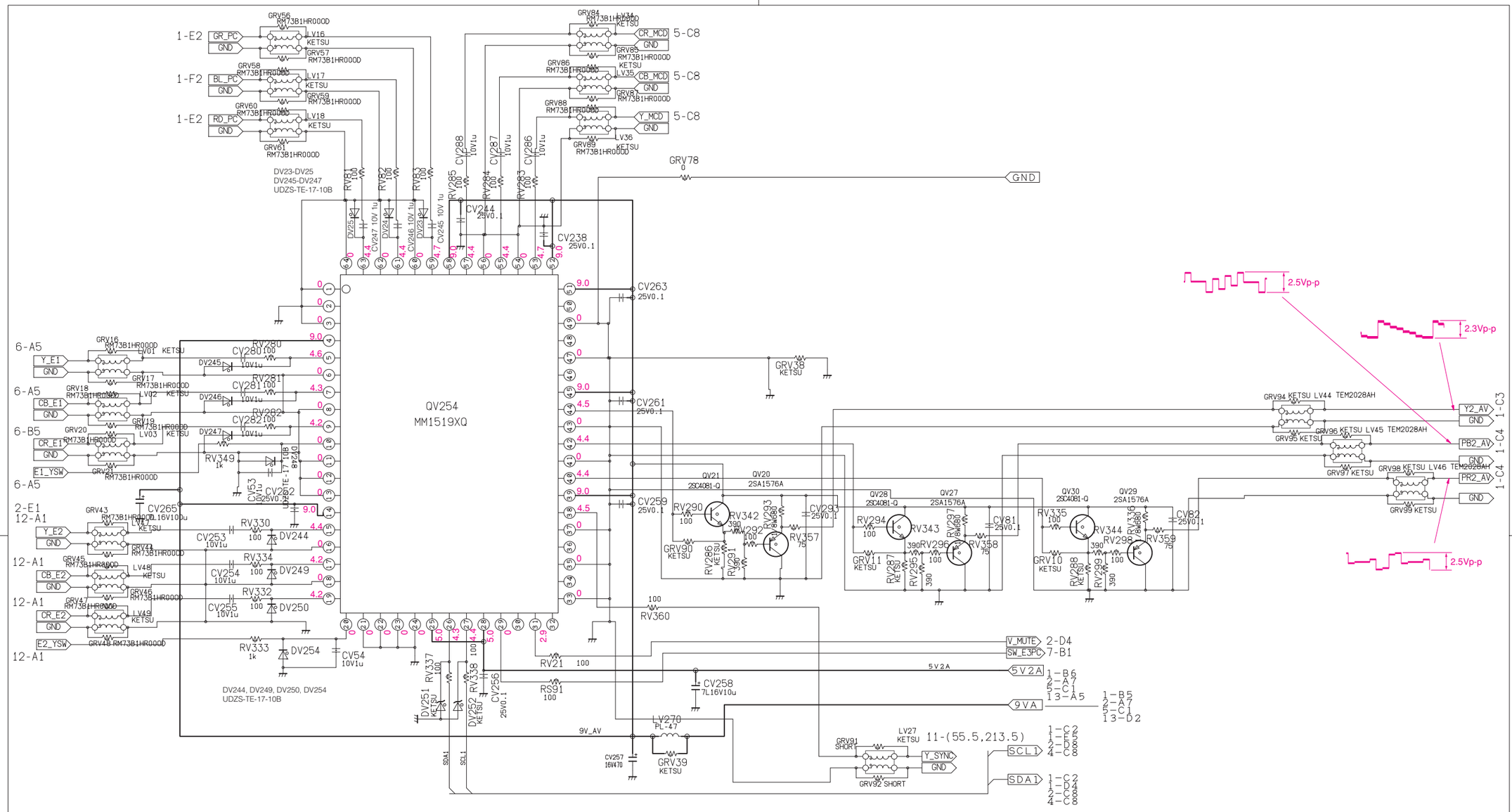
26WL46B/26WL46G
SIGNAL (PC AUDIO SWITCHING)
SHEET-7/12

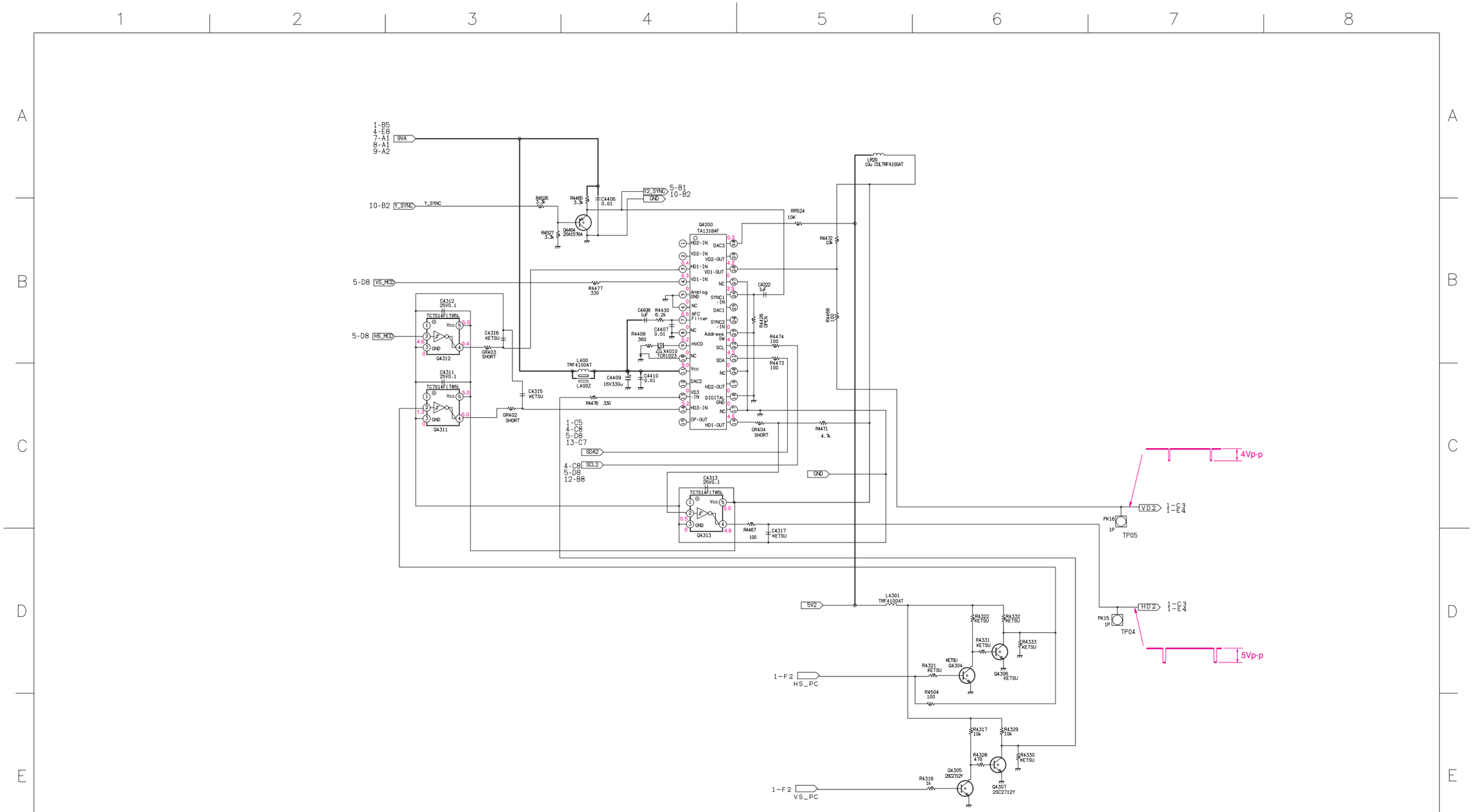


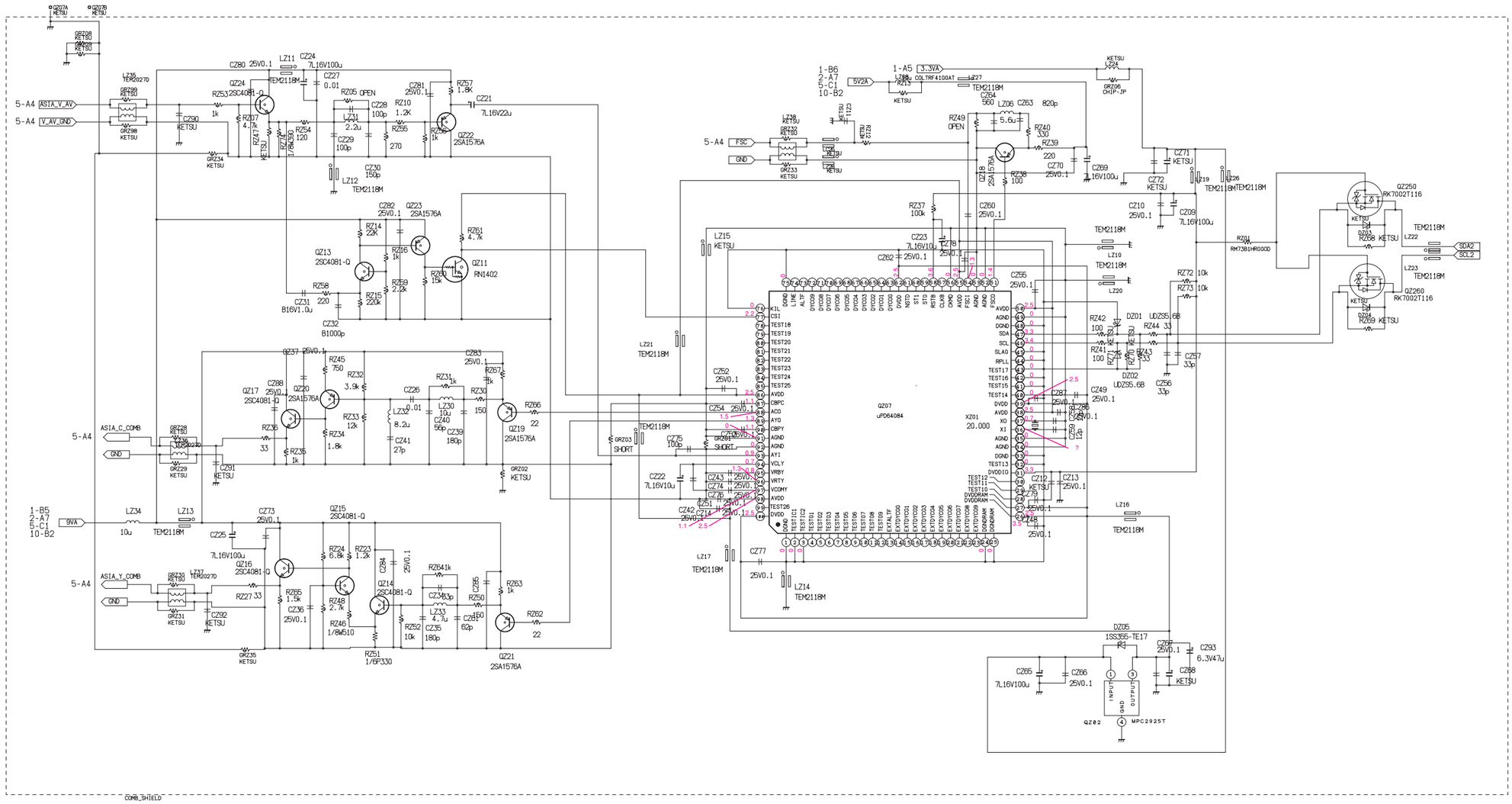
26WL46B/26WL46G
SIGNAL (AUDIO-MUTE)
SHEET-8/12



26WL46B/26WL46G
SIGNAL (MON OUTPUT)
SHEET-9/12


QV254
MM1519XQ
DV23-DV25
DV245-DV247
UDZS-TE-17-10B
DV244, DV249, DV250, DV254
UDZS-TE-17-10B
GND
9V_AV
5V2A
9VA
V_MUTE
SW_E3PC
SCL1
SDA1
Y_SYNC
2.5Vp-p
2.3Vp-p
2.5Vp-p
26WL46B/26WL46G
SIGNAL (COLOUR DIFFERENCE SWITCHING)
SHEET-10/12

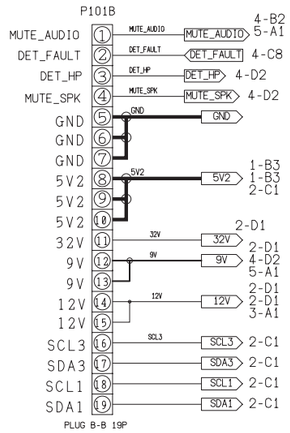

9VA
Y_SYNC
5-B1
10-B2
GND
LP20
10u COIL TRF4100AT
RR524
10K
Q4200
TA1318AF
R4472
10k
5-D8 VS_MCU
5-D8 HS_MCU
R4477
330
C4222
1uF
C4312
25V0.1
TC7S14F(T85L)
Q4312
C4316
KETSU
GR403
SHORT
C4408
1uF
R4430
6.2k
C4407
0.01
R4408
360
X4010
TCR1023
L400
TRF4100AT
L400Z
C4409
16V330u
C4410
0.01
R4426
OPEN
R4474
100
R4473
100
R4408
100
C4311
25V0.1
TC7S14F(T85L)
Q4311
C4315
KETSU
GR402
SHORT
R4476
330
GR404
SHORT
R4471
4.7k
1-C5
4-C8
5-D8
13-C7
SDA2
SCL2
4-C8
5-D8
12-B8
C4313
25V0.1
TC7S14F(T85L)
Q4313
R4467
100
C4317
KETSU
GND
4Vp-p
VD2
1-C3
1-E4
PK16
1P
TP05
HD2
1-C3
1-K4
PK15
1P
TP04
5Vp-p
5V2
L4301
TRF4100AT
R4322
KETSU
R4332
KETSU
R4331
KETSU
R4333
KETSU
KETSU
Q4304
R4321
KETSU
Q4306
KETSU
1-F2
HS_PC
R4504
100
R4317
10k
R4329
10k
R4328
470
R4330
KETSU
Q4305
2SC2712Y
R4316
1k
Q4307
2SC2712Y
1-F2
VS_PC
26WL46B/26WL46G
SIGNAL (SYNC_SW)
SHEET-11/12



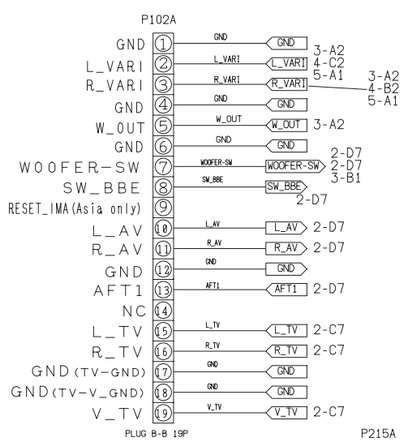
26WL46B/26WL46G
SIGNAL (3D YCS)
SHEET-12/12

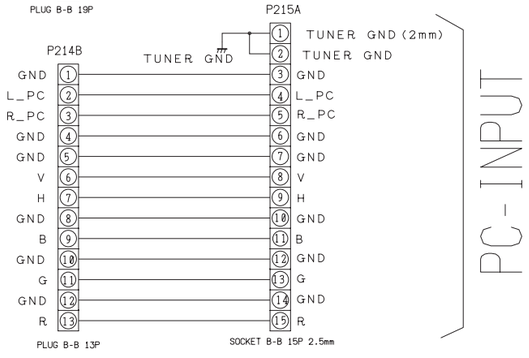
SIGNAL

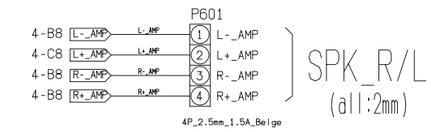
19P-BB

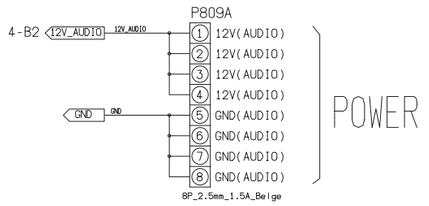


19P-BB









26WL46B/26WL46G
TN-AOUT (CONNECTOR)
SHEET-1/7

T I F & M A

T I F

H001 TADF-003A

H002 MPSN11B/MPSN11

M A

GR110 KETSU GR111 KETSU
GND For TUNER
Peripheral and Material

GR112 KETSU GR113 KETSU
Material GND

TUNER-GND
PG01 KETSU
PG02 KETSU
PG03 KETSU

C106 B1000p
C101 B1000p
C103 B1000p
GR14 KETSU
C138 KETSU
C139 KETSU

R110 RM73B1HR00D
R103 0
R102 0
L102 TEM2121M
L103 TEM2121M
C172 KETSU
D102 KETSU
L101 TRF4268AT
C102 10V220

GR102 RM73B1HR000D KETSU L105
GR103 RM73B1HR000D
LC32 TEM2121M
LC31 COLTRF41R0CG
C107 0.01
C120 25V0.1

C160 50V0.22u
C105 10V330 (Low Impedance Part)
G697 100
G696 100
CC09 0.01
CC01 0.01
C121 16V100
C152 0.01
C150 0.01
C151 0.01

R_APRO 3-A1
L_APRO 3-A1
GND
W_APRO 3-A1
GND

1-C3 SCL3
1-C3 SDA3
1-C3 SCL1
1-C3 SDA1
GND
1-B3 5V2
1-B3 32V
1-B3 9V
1-B3 4-D2 5-A1
1-C3 2-D1 3-A1 12V

C137 KETSU
C104 4.7

TP-12 PK04 KETSU
1.2Vp-p

V_TV 1-E3
GND
GND
L_TV 1-D3
R_TV 1-D3
AFT1 1-D3
GND
L_AV 1-D3
R_AV 1-D3
SW_BBE 1-D3

(ASIA:APS)

QD05 NJM2150V

CD14 816V2.2u_K
CD00 816V2.2u_K
CD01 816V2.2u_K
CD15 816V2.2u_K
RD01 27K
RD20 27K
RD02 20K
RD19 20K
CD03 B3300p
CD18 B3300p
RD04 20K
RD17 20K
CD05 B0.033u
CD16 B0.033u
RD07 100
RD14 100
RD08 22K
RD09 KETSU
RD10 10k
RD21 22K
RD22 KETSU
CD10 816V1u_K
DD01 KETSU
CD12 816V1u_K
CD13 7L16V10u

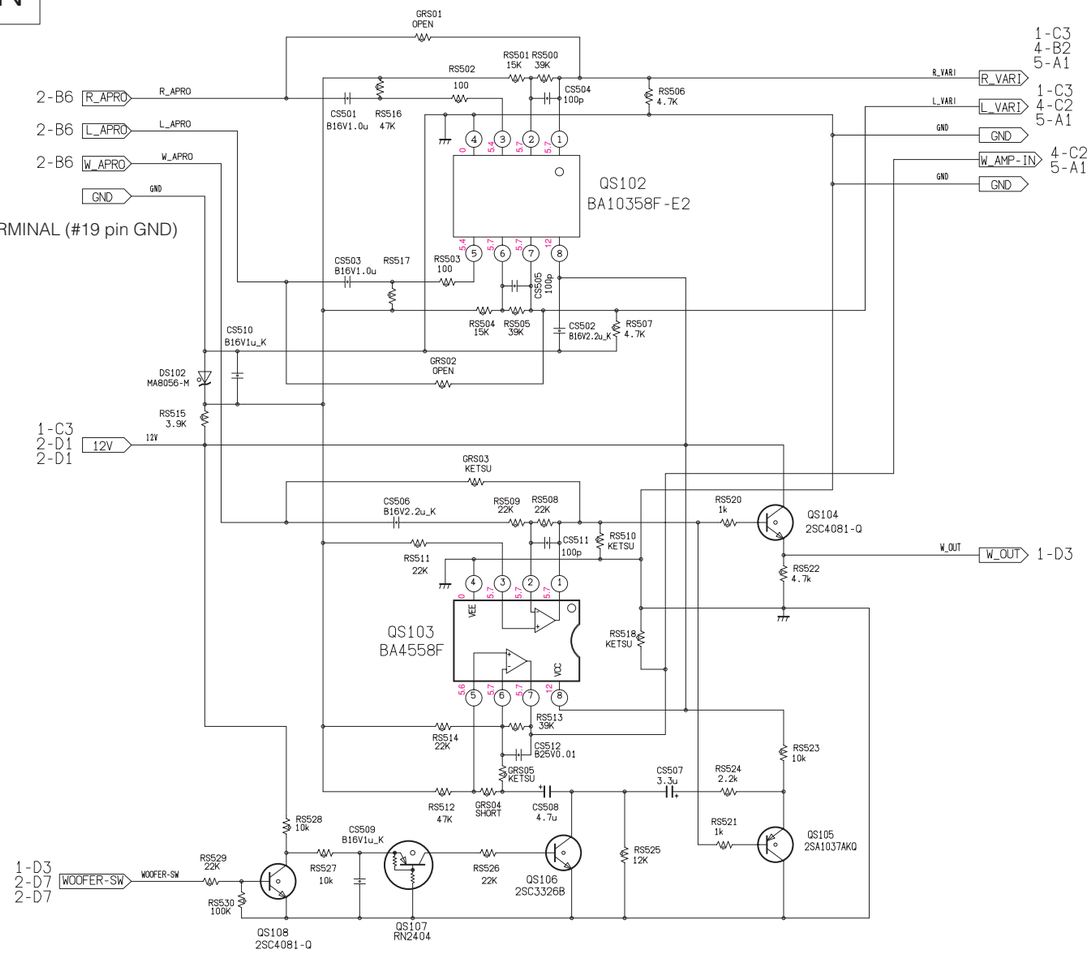
R_AV
L_AV
GND
SW_BBE
L_BBE
R_BBE
GND

BBE

26WL46B/26WL46G
TN-AOUT (TIF & MA)
SHEET-2/7

AUDIO GAIN CORRECTION

MA MODULE TERMINAL (#19 pin GND)

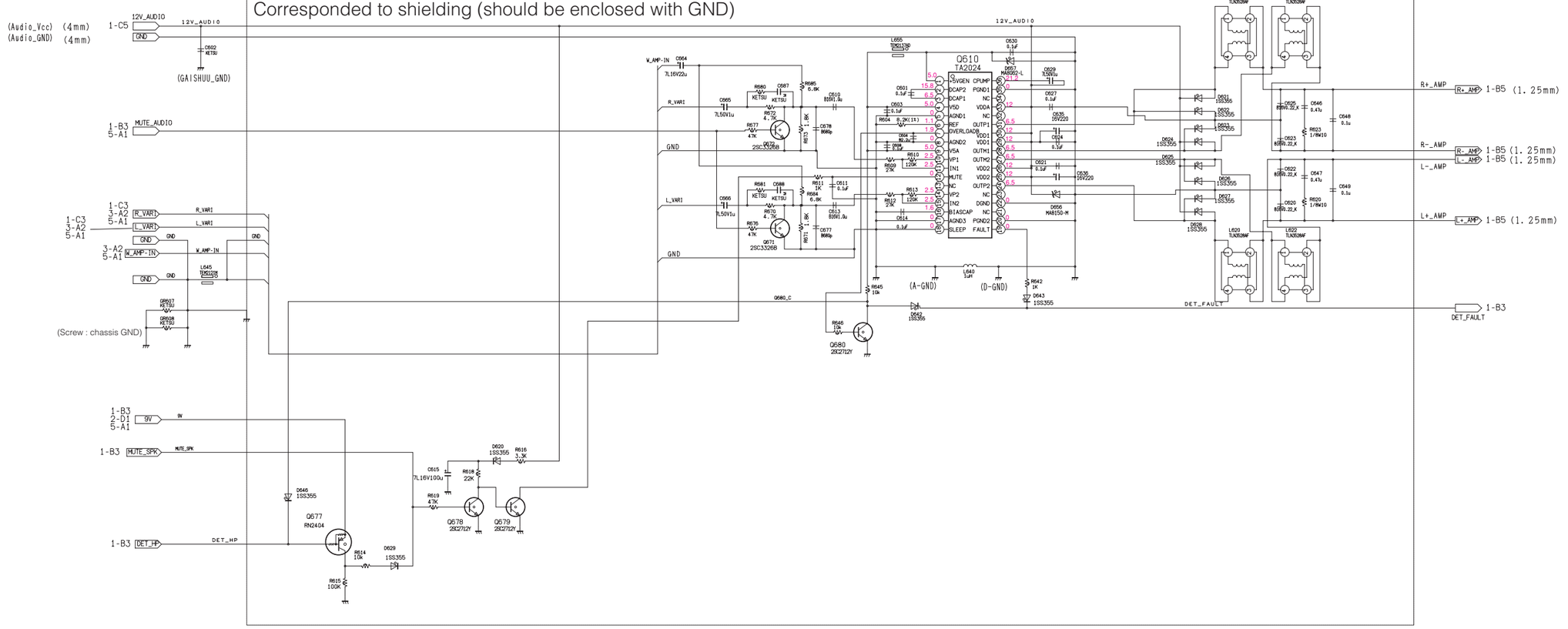


26WL46B/26WL46G
TN-AOUT (AUDIO GAIN CORRECTION)
SHEET-3/7

The surface patterns under Q610 should be GND, and make many more through-holes between surface GNDs as much as possible.

AUDIO OUTPUT (R / L)

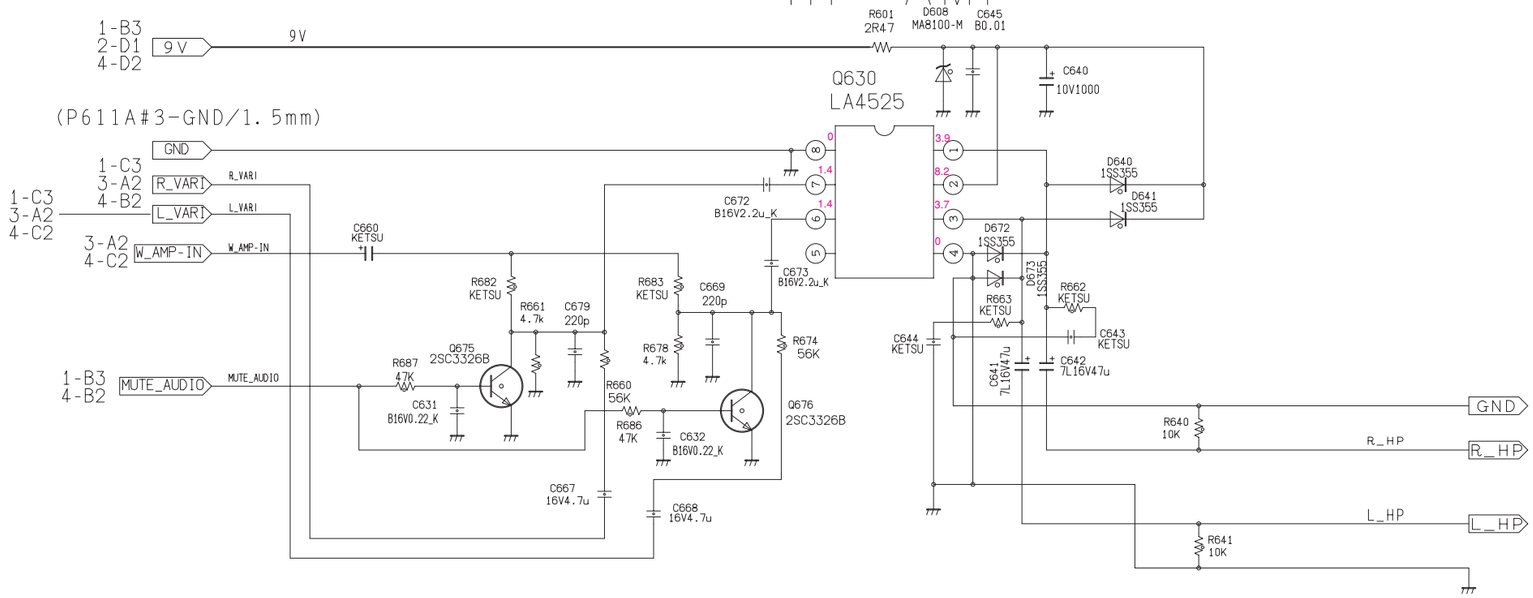
Corresponded to shielding (should be enclosed with GND)



A—OUT

26WL46B/26WL46G
TN-AOUT (A-OUT)
SHEET-4/7

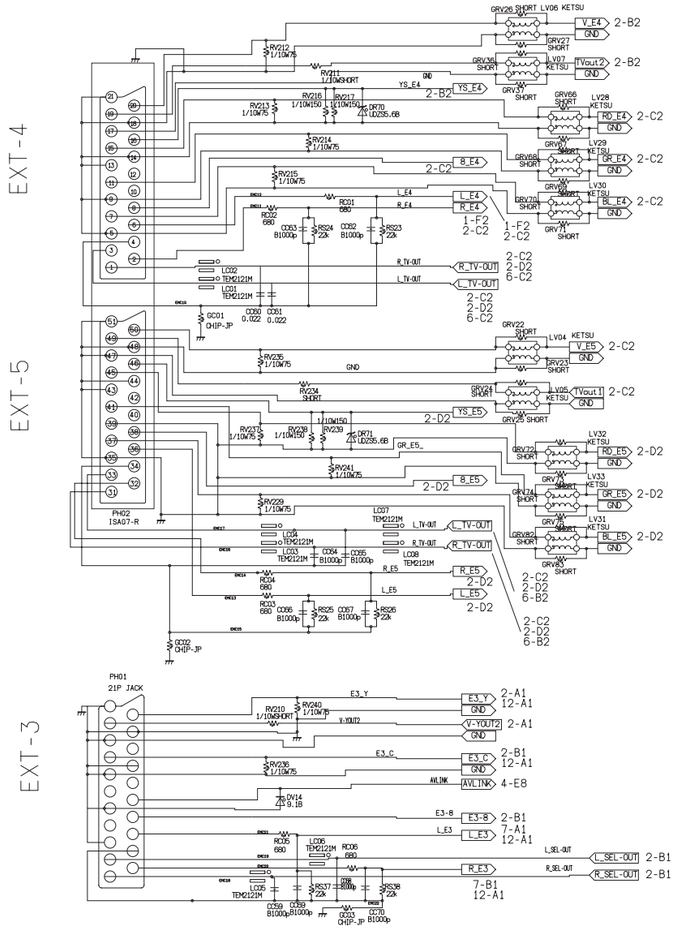
HP-AMP

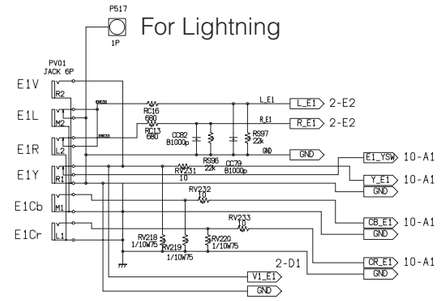


(HP-GND/1mm)

HP-AMP

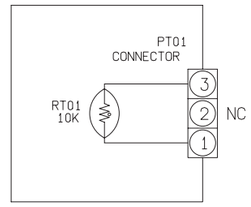
26WL46B/26WL46G
TN-AOUT (HP-AMP)
SHEET-5/7



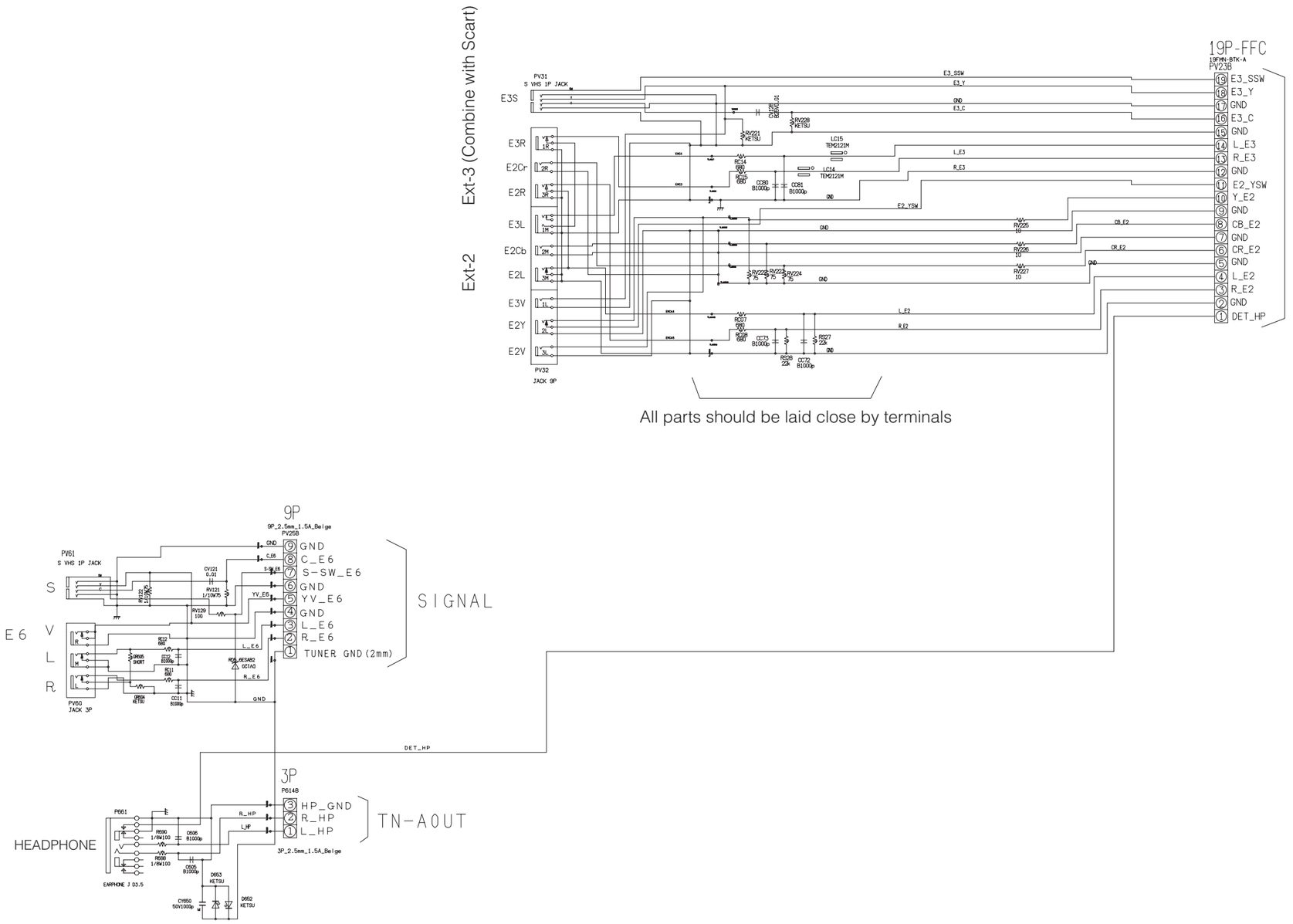


26WL46B/26WL46G
TN-AOUT (PC_INPUT)
SHEET-6/7

TEMP-SENSOR

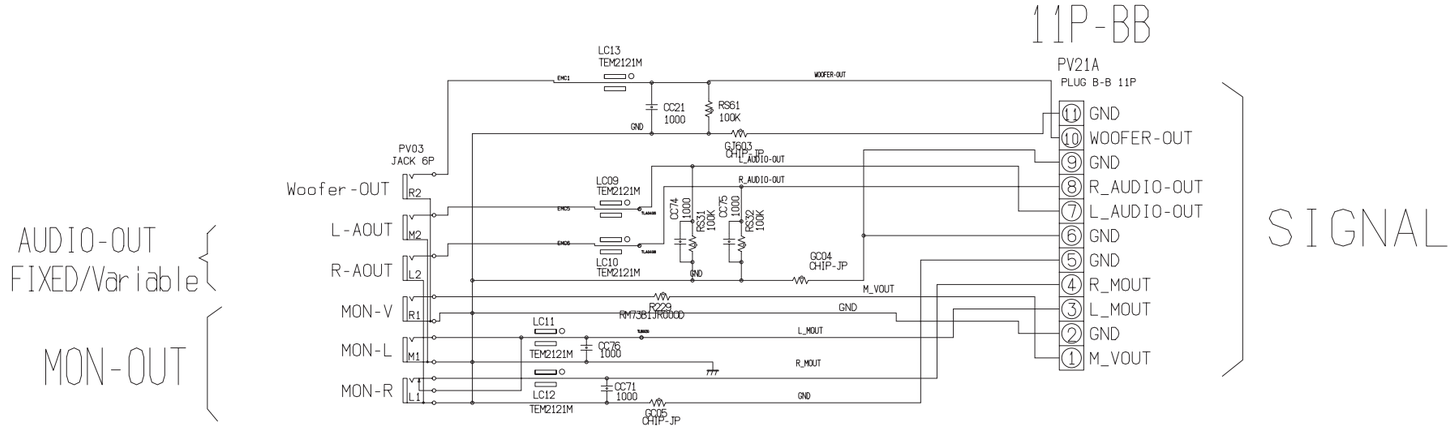


26WL46B/26WL46G
TN-AOUT (TEMP SENSOR)
SHEET-7/7

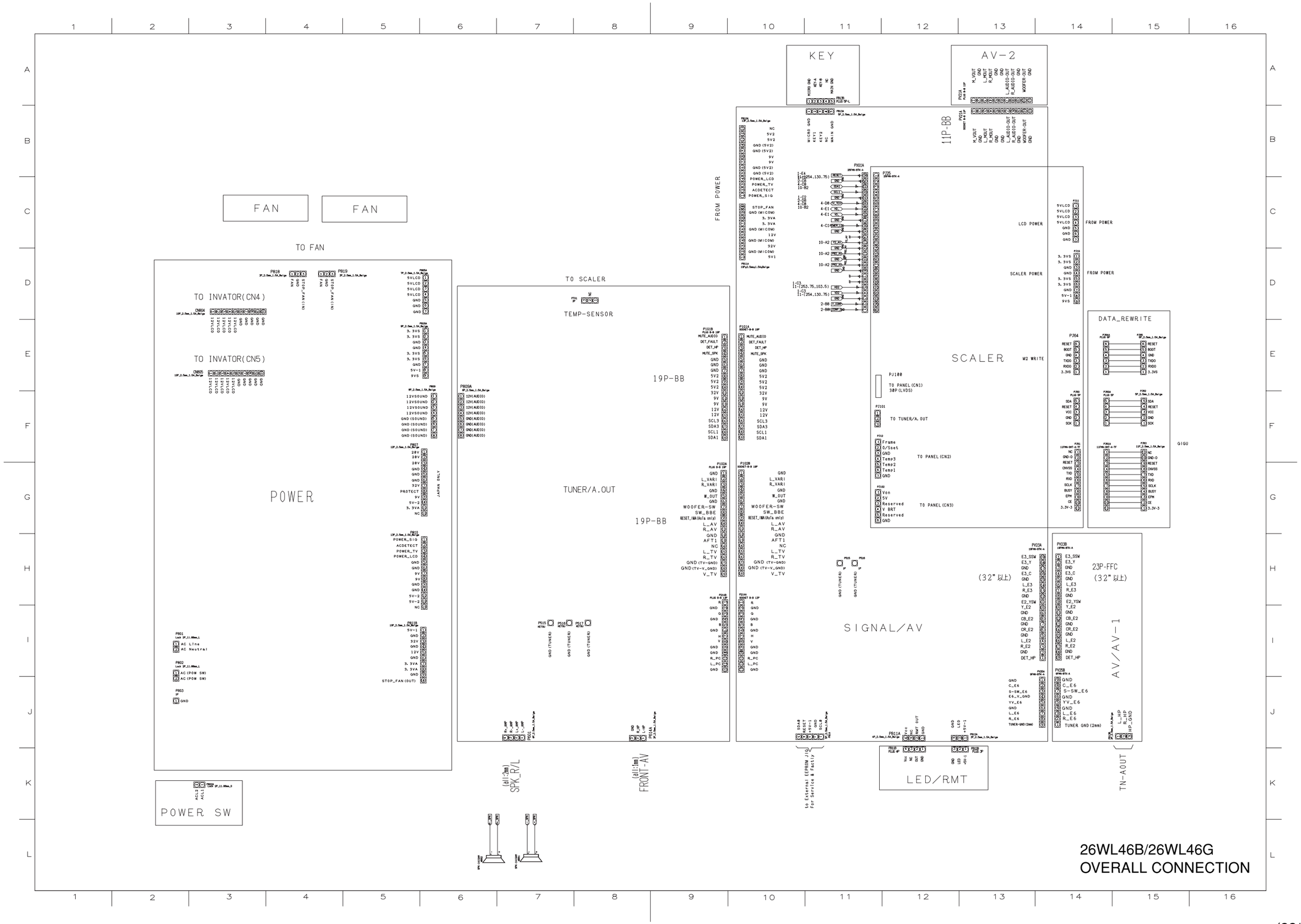


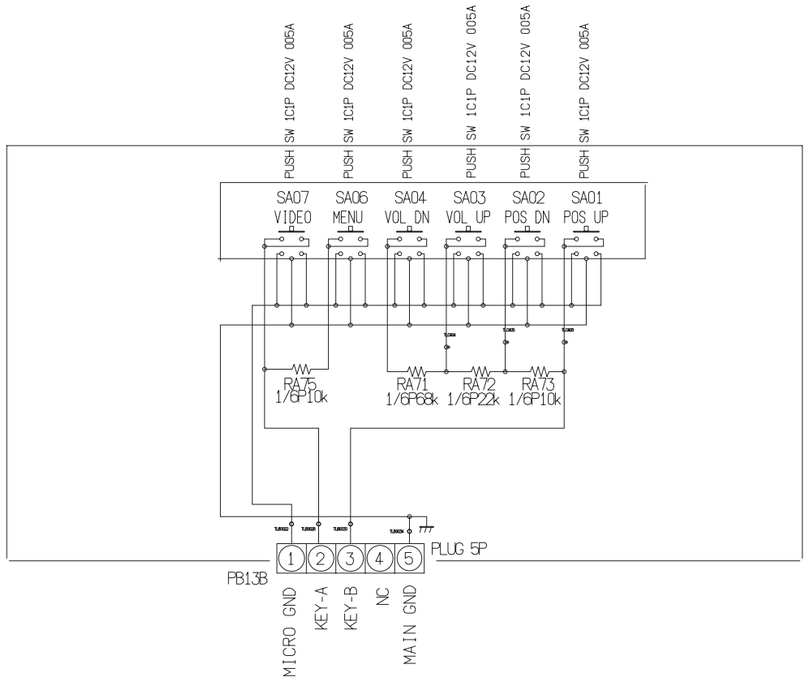
26WL46B/26WL46G
FRONT-AV

A

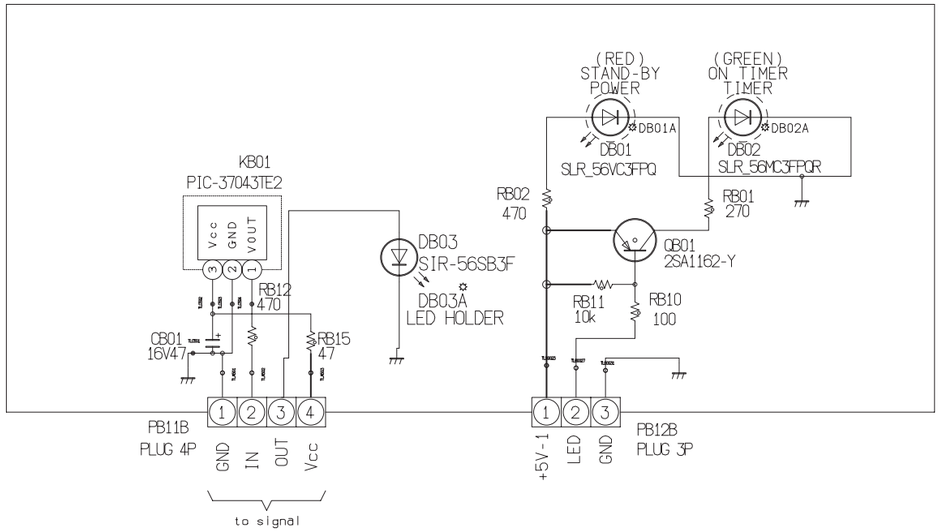

11P-BB
PV21A
PLUG B-B 11P
11 GND
10 WOOFER-OUT
9 GND
8 R_AUDIO-OUT
7 L_AUDIO-OUT
6 GND
5 GND
4 R_MOUT
3 L_MOUT
2 GND
1 M_VOUT
SIGNAL
PV03
JACK 6P
Woofer-OUT
L-AOUT
R-AOUT
MON-V
MON-L
MON-R
AUDIO-OUT
FIXED/Variable
MON-OUT
LC13 TEM2121M
LC09 TEM2121M
LC10 TEM2121M
LC11 TEM2121M
LC12 TEM2121M
CC21 1000
CC74 1000
CC75 1000
CC78 1000
CC71 1000
RS61 100K
RS31 100K
RS32 100K
RS33 100K
GC03 CHIP-JP
GC04 CHIP-JP
GC05 CHIP-JP
R229 RM73B1JK000D
WOOFER-OUT
L_AUDIO-OUT
R_AUDIO-OUT
M_VOUT
L_MOUT
R_MOUT
GND

B

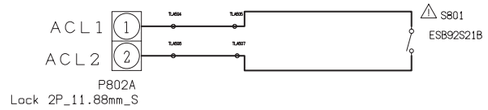

KEY
AV-2
11P-BB
FAN
FAN
TO FAN
TO INVATOR(CN4)
TO INVATOR(CN5)
TO SCALER
TEMP-SENSOR
19P-BB
FROM POWER
SCALER
LCD POWER
SCALER POWER
M2 WRITE
TO PANEL(CN1)
30P(LVDS)
TO TUNER/A.OUT
TO PANEL(CN2)
TO PANEL(CN3)
DATA_REWRITE
POWER
JAPAN ONLY
TUNER/A.OUT
19P-BB
SIGNAL/AV
(32" 以上)
23P-FFC
(32" 以上)
AV/AV-1
POWER SW
SPK_R/L
(all 2m)
FRONT-AV
(all 1m)
LED/RMT
TN-AOUT
to External EEPROM JIG
For Service & Factiy
GIGU
26WL46B/26WL46G
OVERALL CONNECTION



26WL46B/26WL46G
KEY SW

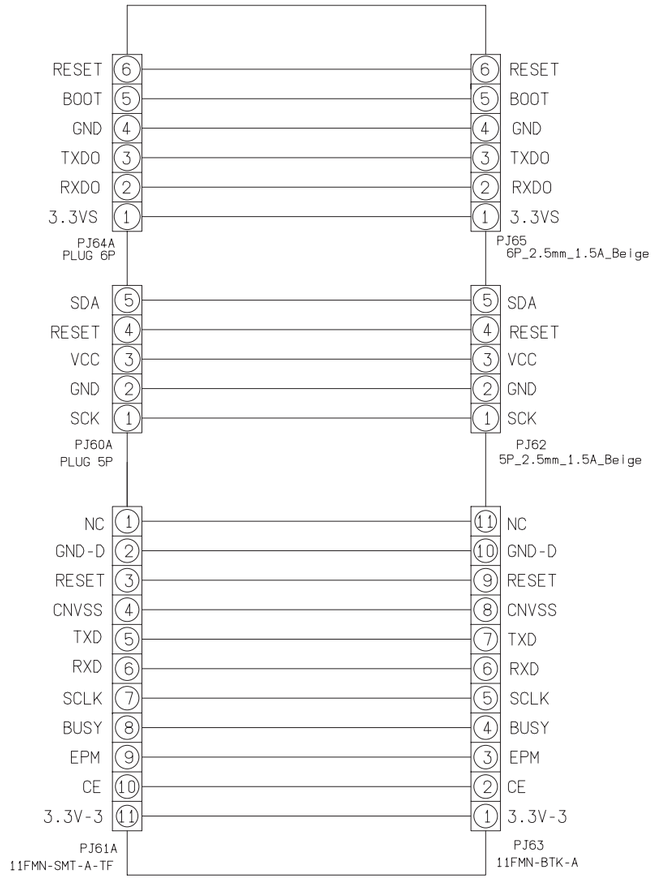


26WL46B/26WL46G
LED/RMT



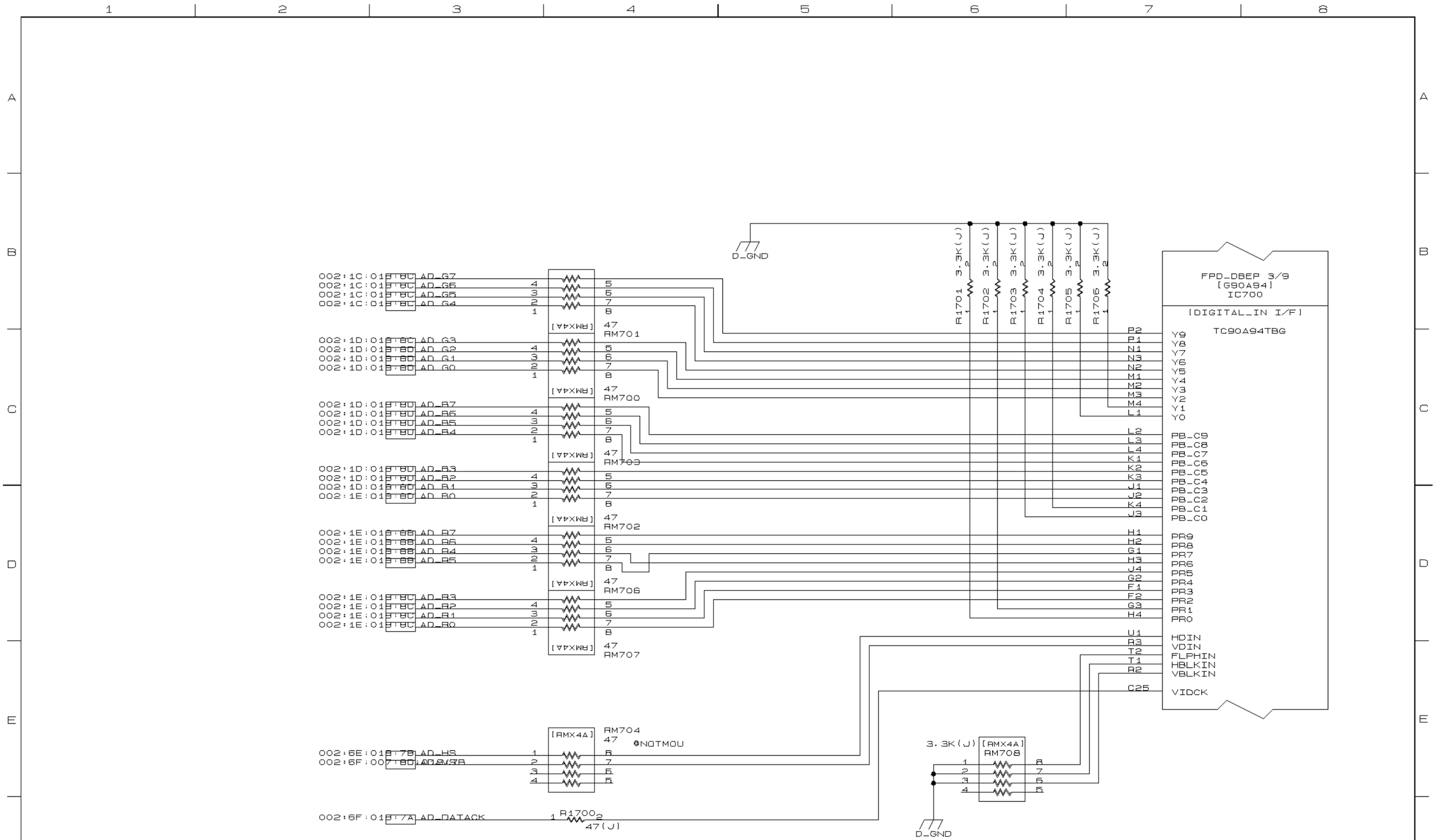
26WL46B/26WL46G
POWER SW

SCALER

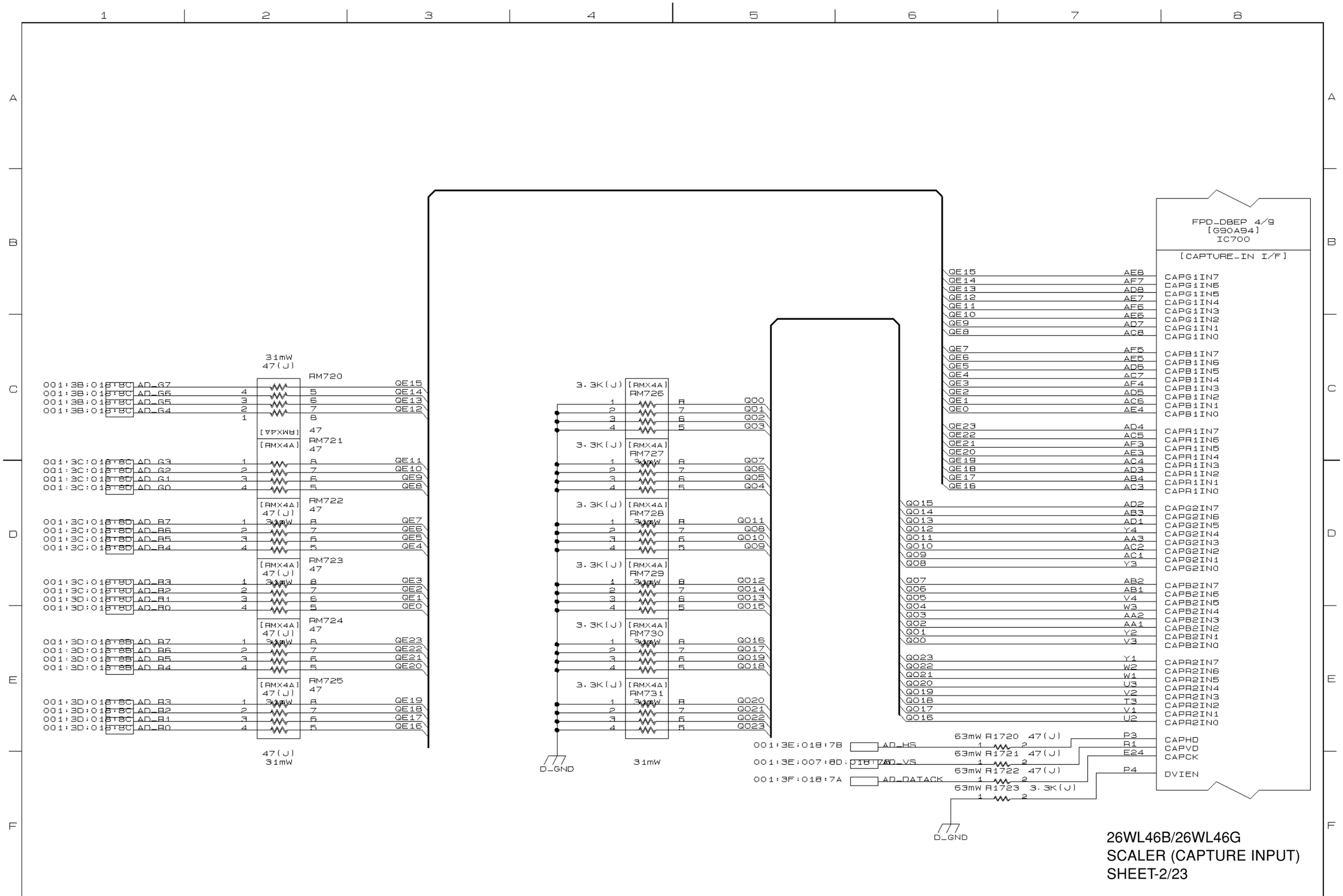


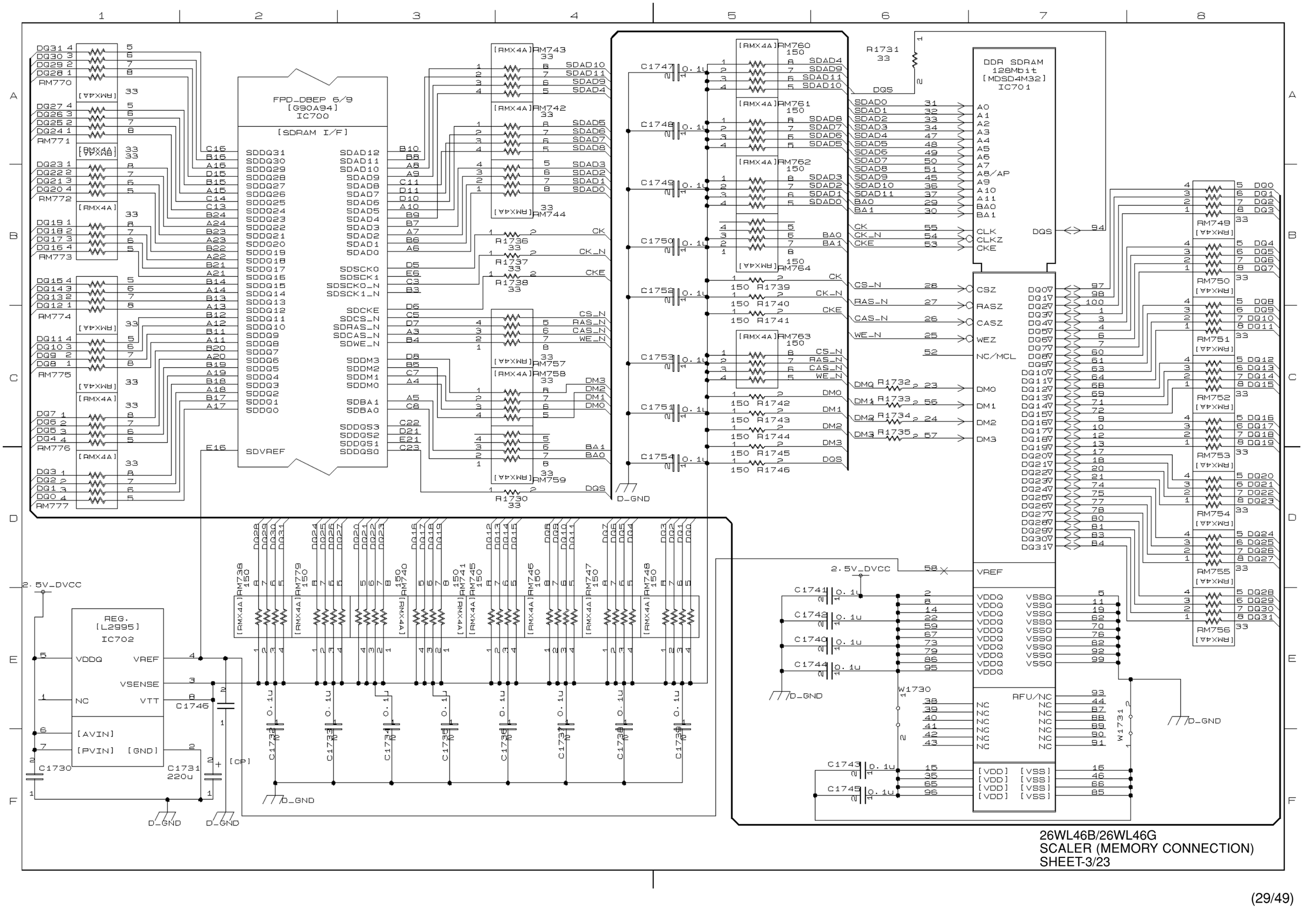
JIGU

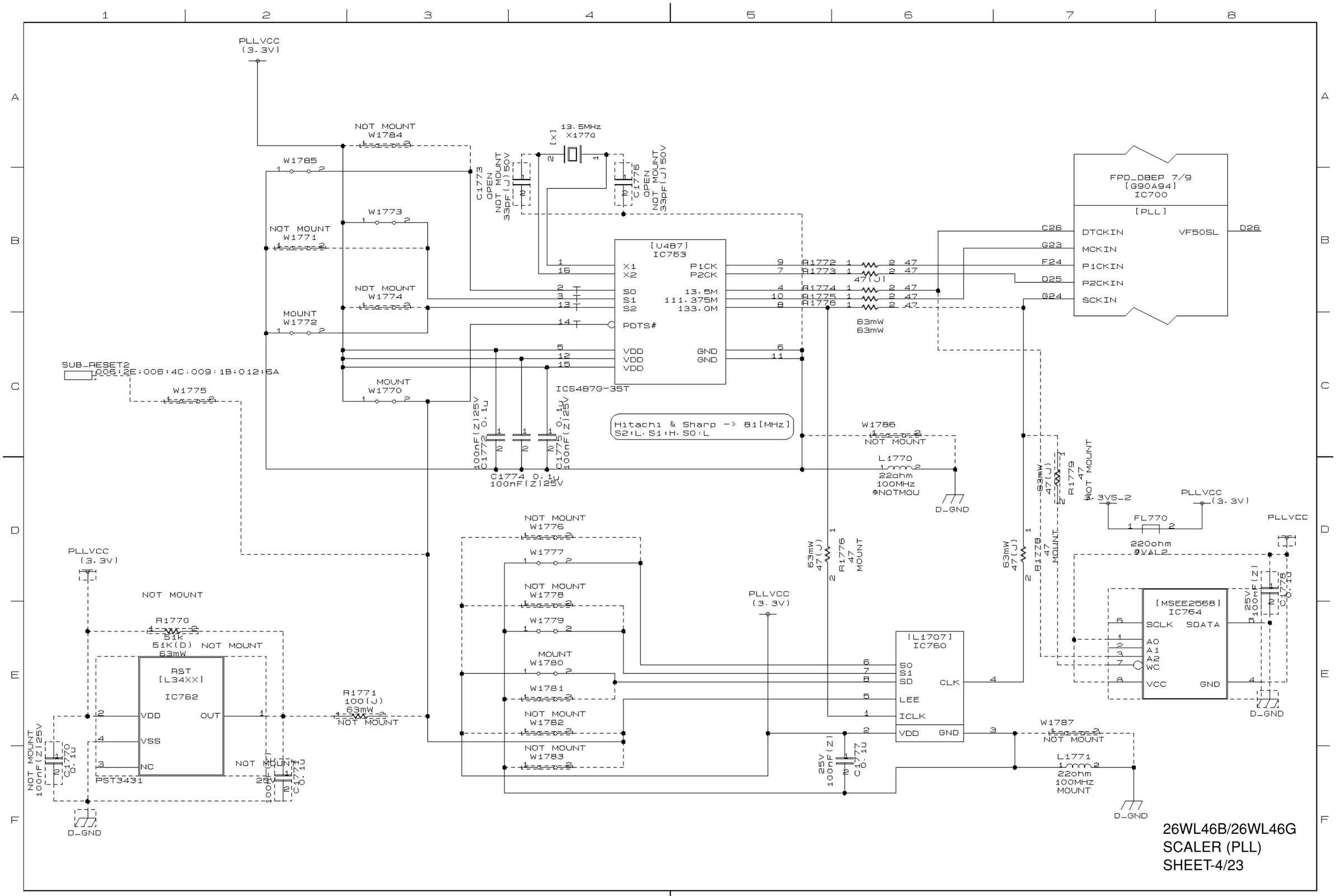
26WL46B/26WL46G
DATA_REWRITE

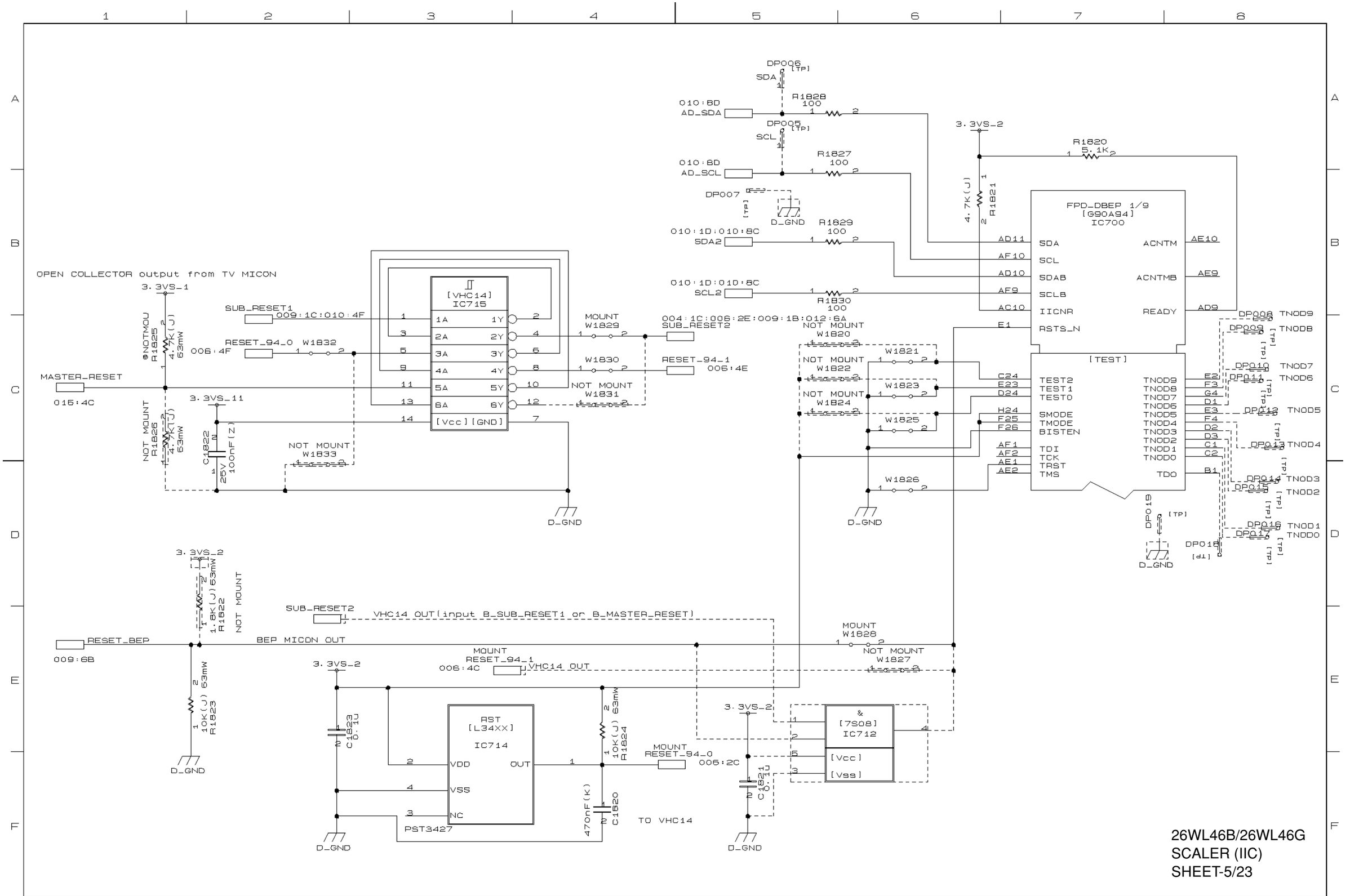


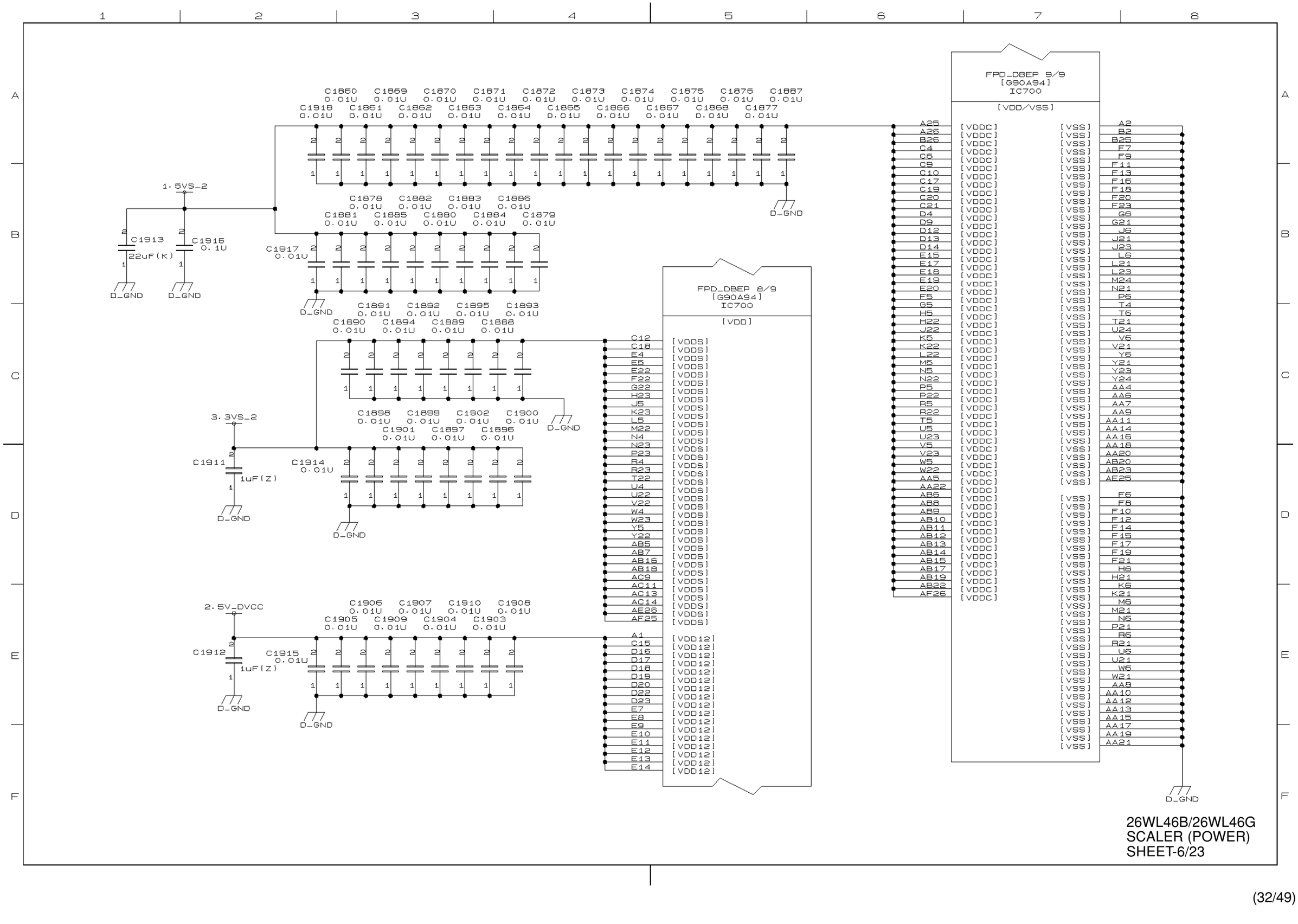
26WL46B/26WL46G
SCALER (DIGITAL INPUT)
SHEET-1/23


FPD_DBEP 4/9
[G90A94]
IC700
[CAPTURE_IN I/F]
CAPG1IN7
CAPG1IN6
CAPG1IN5
CAPG1IN4
CAPG1IN3
CAPG1IN2
CAPG1IN1
CAPG1IN0
CAPB1IN7
CAPB1IN6
CAPB1IN5
CAPB1IN4
CAPB1IN3
CAPB1IN2
CAPB1IN1
CAPB1IN0
CAPR1IN7
CAPR1IN6
CAPR1IN5
CAPR1IN4
CAPR1IN3
CAPR1IN2
CAPR1IN1
CAPR1IN0
CAPG2IN7
CAPG2IN6
CAPG2IN5
CAPG2IN4
CAPG2IN3
CAPG2IN2
CAPG2IN1
CAPG2IN0
CAPB2IN7
CAPB2IN6
CAPB2IN5
CAPB2IN4
CAPB2IN3
CAPB2IN2
CAPB2IN1
CAPB2IN0
CAPR2IN7
CAPR2IN6
CAPR2IN5
CAPR2IN4
CAPR2IN3
CAPR2IN2
CAPR2IN1
CAPR2IN0
CAPHD
CAPVD
CAPCK
DVIEN
AD_G7
AD_G6
AD_G5
AD_G4
AD_G3
AD_G2
AD_G1
AD_G0
AD_R7
AD_R6
AD_R5
AD_R4
AD_R3
AD_R2
AD_R1
AD_R0
AD_B7
AD_B6
AD_B5
AD_B4
AD_B3
AD_B2
AD_B1
AD_B0
31mW
47(J)
[RMX4A]
RM720
RM721
RM722
RM723
RM724
RM725
47
3.3K(J)
RM726
RM727
RM728
RM729
RM730
RM731
D_GND
AD_HS
AD_VS
AD_DATACK
63mW R1720 47(J)
63mW R1721 47(J)
63mW R1722 47(J)
63mW R1723 3.3K(J)
P3
R1
E24
P4
26WL46B/26WL46G
SCALER (CAPTURE INPUT)
SHEET-2/23

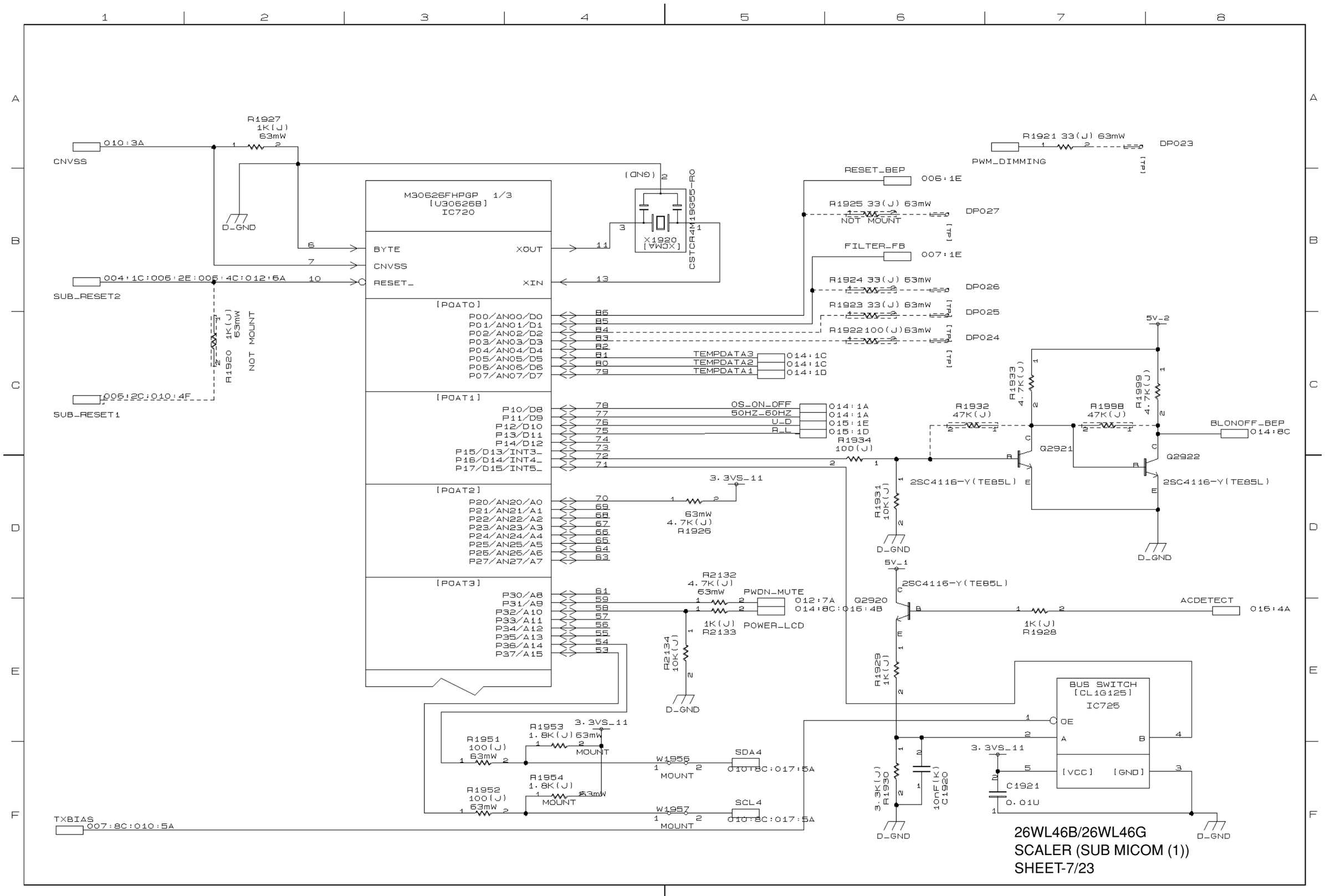

FPD_DBEP 6/9
[G90A94]
IC700
[SDRAM I/F]
DDR SDRAM
128Mbit
[MDSD4M32]
IC701
REG.
[L2995]
IC702
2.5V_DVCC
D_GND
[RMX4A]
VDDQ
VREF
VSENSE
VTT
NC
[AVIN]
[PVIN]
[GND]
[CP]
CK
CK_N
CKE
CS_N
RAS_N
CAS_N
WE_N
DQS
BA0
BA1
CLK
CLKZ
CSZ
RASZ
CASZ
WEZ
NC/MCL
DM0
DM1
DM2
DM3
VSSQ
AFU/NC
[VDD]
[VSS]
SDVREF
26WL46B/26WL46G
SCALER (MEMORY CONNECTION)
SHEET-3/23


PLLVCC (3.3V)
NOT MOUNT W1784
W1785
W1773
NOT MOUNT W1771
NOT MOUNT W1774
MOUNT W1772
MOUNT W1770
W1775
SUB_RESET2
006:2E:006:4C:009:1B:012:6A
13.5MHz X1770
C1773 OPEN NOT MOUNT 33pF(J)50V
C1776 OPEN NOT MOUNT 33pF(J)50V
[U487] IC763
X1
X2
S0
S1
S2
PDTS#
VDD
VDD
VDD
P1CK
P2CK
13.5M
111.375M
133.0M
GND
GND
ICS487G-35T
Hitachi & Sharp -> 81[MHz]
S2:L S1:H S0:L
C1772 100nF(Z)25V 0.1u
C1775 100nF(Z)25V 0.1u
C1774 0.1u 100nF(Z)25V
R1772 47
R1773 47
R1774 47
R1775 47
47(J) 63mW
63mW
FPD_DBEP 7/9 [G90A94] IC700
[PLL]
DTCKIN
MCKIN
P1CKIN
P2CKIN
SCKIN
VF50SL
C26
G23
F24
D25
G24
D26
W1786 NOT MOUNT
L1770 22ohm 100MHz @NOTMOU
D_GND
R1779 47 NOT MOUNT
63mW 47(J)
3VS-2
PLLVCC (3.3V)
FL770 220ohm @VAL2
PLLVCC
NOT MOUNT W1776
W1777
NOT MOUNT W1778
W1779
MOUNT W1780
W1781
NOT MOUNT W1782
NOT MOUNT W1783
R1776 47 MOUNT
63mW 47(J)
PLLVCC (3.3V)
[L1707] IC760
S0
S1
SD
LEE
ICLK
CLK
VDD
GND
25V 100nF(Z) C1777 0.1u
R1778 47 MOUNT
63mW 47(J)
[MSEE2568] IC764
SCLK
SDATA
A0
A1
A2
WC
VCC
GND
25V 100nF(Z) C1778 0.1u
D_GND
W1787 NOT MOUNT
L1771 22ohm 100MHz MOUNT
D_GND
PLLVCC (3.3V)
NOT MOUNT
R1770 51k 51K(D) NOT MOUNT 63mW
RST [L34XX] IC762
VDD
VSS
NC
OUT
PST3431
NOT MOUNT 100nF(Z)25V C1770 0.1u
R1771 100(J) 63mW NOT MOUNT
NOT MOUNT 100nF(Z)25V C1771 0.1u
D_GND
26WL46B/26WL46G
SCALER (PLL)
SHEET-4/23

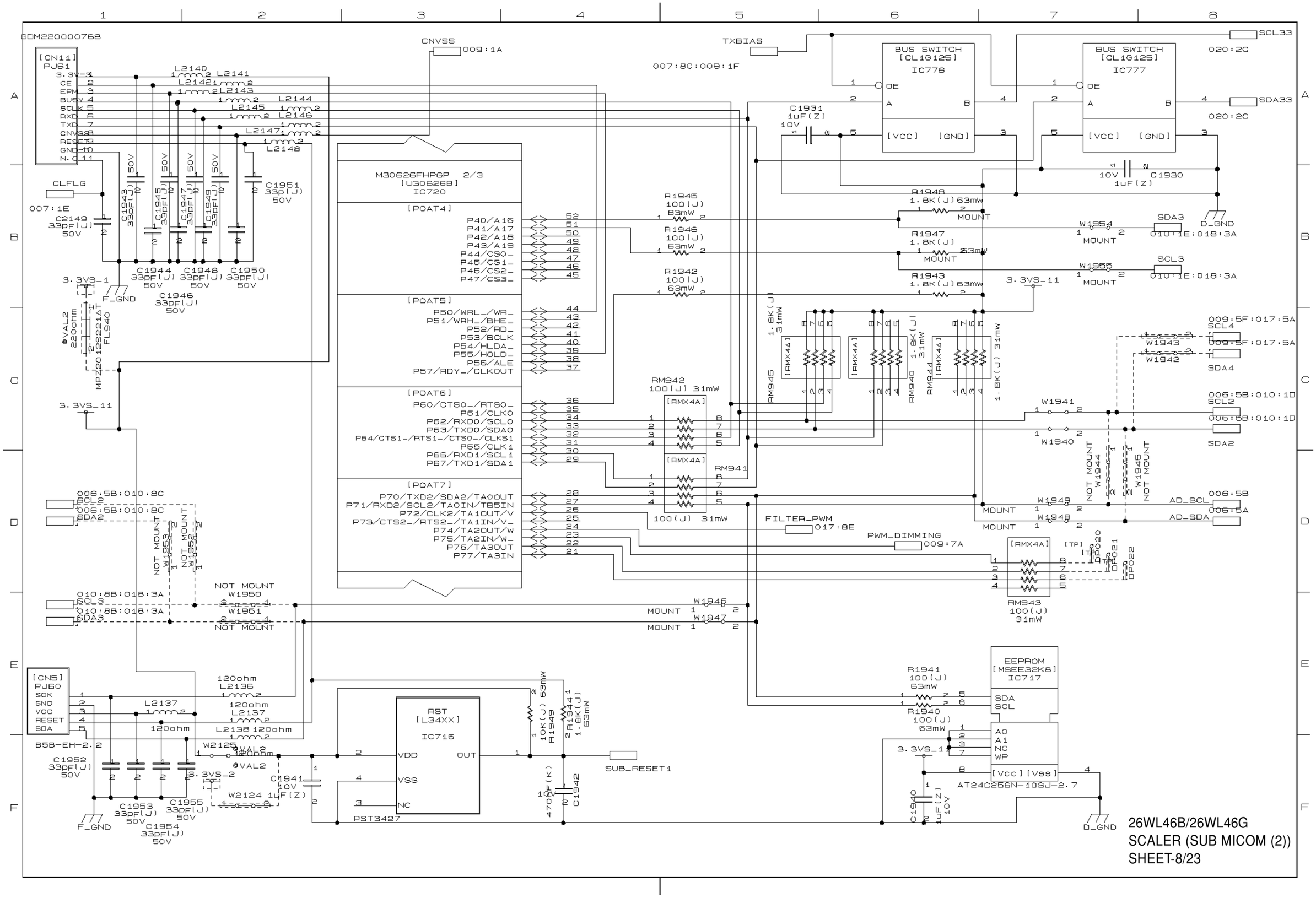

OPEN COLLECTOR output from TV MICON
3.3VS_1
SUB_RESET1
009:1C:010:4F
RESET_94_0
006:4F
W1832
MASTER_RESET
015:4C
@NOTMOU
R1825
4.7K(J)
63mW
NOT MOUNT
R1826
4.7K(J)
63mW
3.3VS_11
C1822
0.1u
25V
100nF(Z)
NOT MOUNT
W1833
D_GND
[VHC14]
IC715
1A
1Y
2A
2Y
3A
3Y
4A
4Y
5A
5Y
6A
6Y
[Vcc]
[GND]
MOUNT
W1829
W1830
NOT MOUNT
W1831
004:1C:006:2E:009:1B:012:6A
SUB_RESET2
RESET_94_1
006:4E
DP006
[TP]
SDA
010:8D
AD_SDA
R1828
100
DP005
[TP]
SCL
010:8D
AD_SCL
R1827
100
DP007
[TP]
D_GND
010:1D:010:8C
SDA2
R1829
100
010:1D:010:8C
SCL2
R1830
100
3.3VS_2
R1820
5.1K
4.7K(J)
R1821
FPD_DBEP 1/9
[G90A94]
IC700
AD11
SDA
AF10
SCL
AD10
SDAB
AF9
SCLB
AC10
IICNR
E1
RSTS_N
ACNTM
AE10
ACNTMB
AE9
READY
AD9
NOT MOUNT
W1820
W1821
NOT MOUNT
W1822
W1823
NOT MOUNT
W1824
W1825
W1826
C24
E23
D24
H24
F25
F26
AF1
AF2
AE1
AE2
[TEST]
TEST2
TEST1
TEST0
SMODE
TMODE
BISTEN
TDI
TCK
TRST
TMS
TNOD9
TNOD8
TNOD7
TNOD6
TNOD5
TNOD4
TNOD3
TNOD2
TNOD1
TNOD0
TDO
E2
F3
G4
D1
E3
F4
D2
D3
C1
C2
B1
DP008
DP009
DP010
DP011
DP012
DP013
DP014
DP015
DP016
DP017
DP018
DP019
SUB_RESET2
VHC14 OUT(input B_SUB_RESET1 or B_MASTER_RESET)
RESET_BEP
009:6B
BEP MICON OUT
MOUNT
W1828
NOT MOUNT
W1827
3.3VS_2
1.8K(J)63mW
R1822
NOT MOUNT
10K(J) 63mW
R1823
MOUNT
RESET_94_1
006:4C
VHC14 OUT
C1823
0.1u
RST
[L34XX]
IC714
VDD
OUT
VSS
NC
PST3427
10K(J) 63mW
R1824
470nF(K)
C1820
MOUNT
RESET_94_0
006:2C
TO VHC14
&
[7S08]
IC712
[Vcc]
[Vss]
C1821
0.1u
26WL46B/26WL46G
SCALER (IIC)
SHEET-5/23



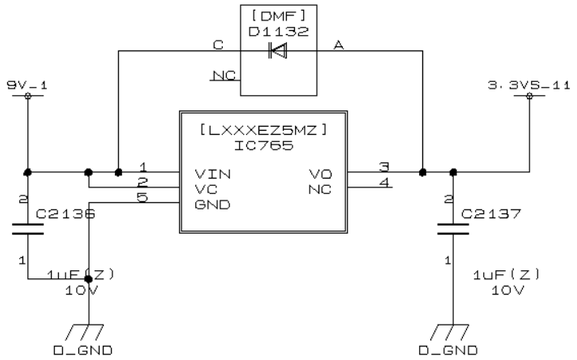
26WL46B/26WL46G
SCALER (POWER)
SHEET-6/23

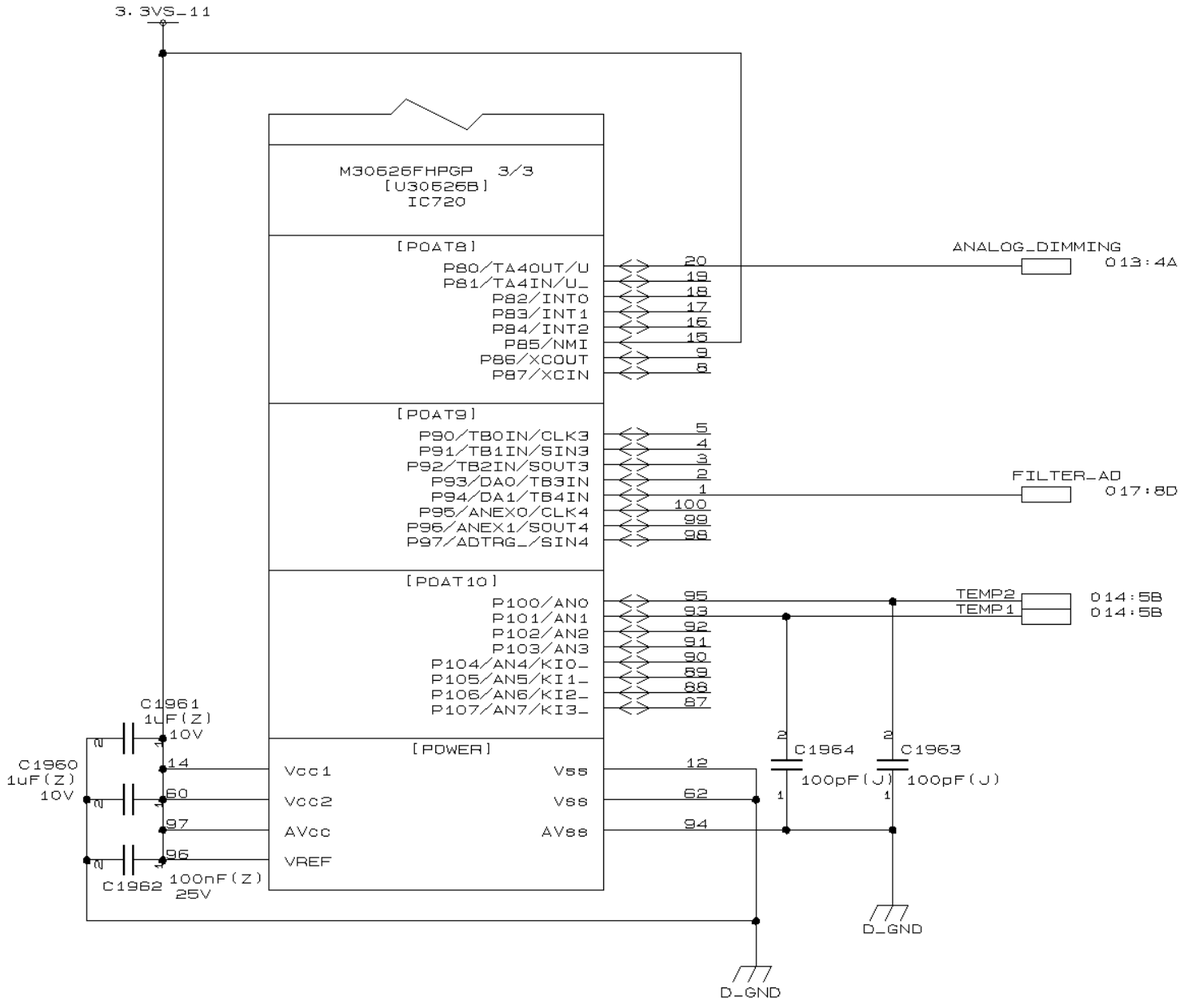


26WL46B/26WL46G
SCALER (SUB MICOM (1))
SHEET-7/23

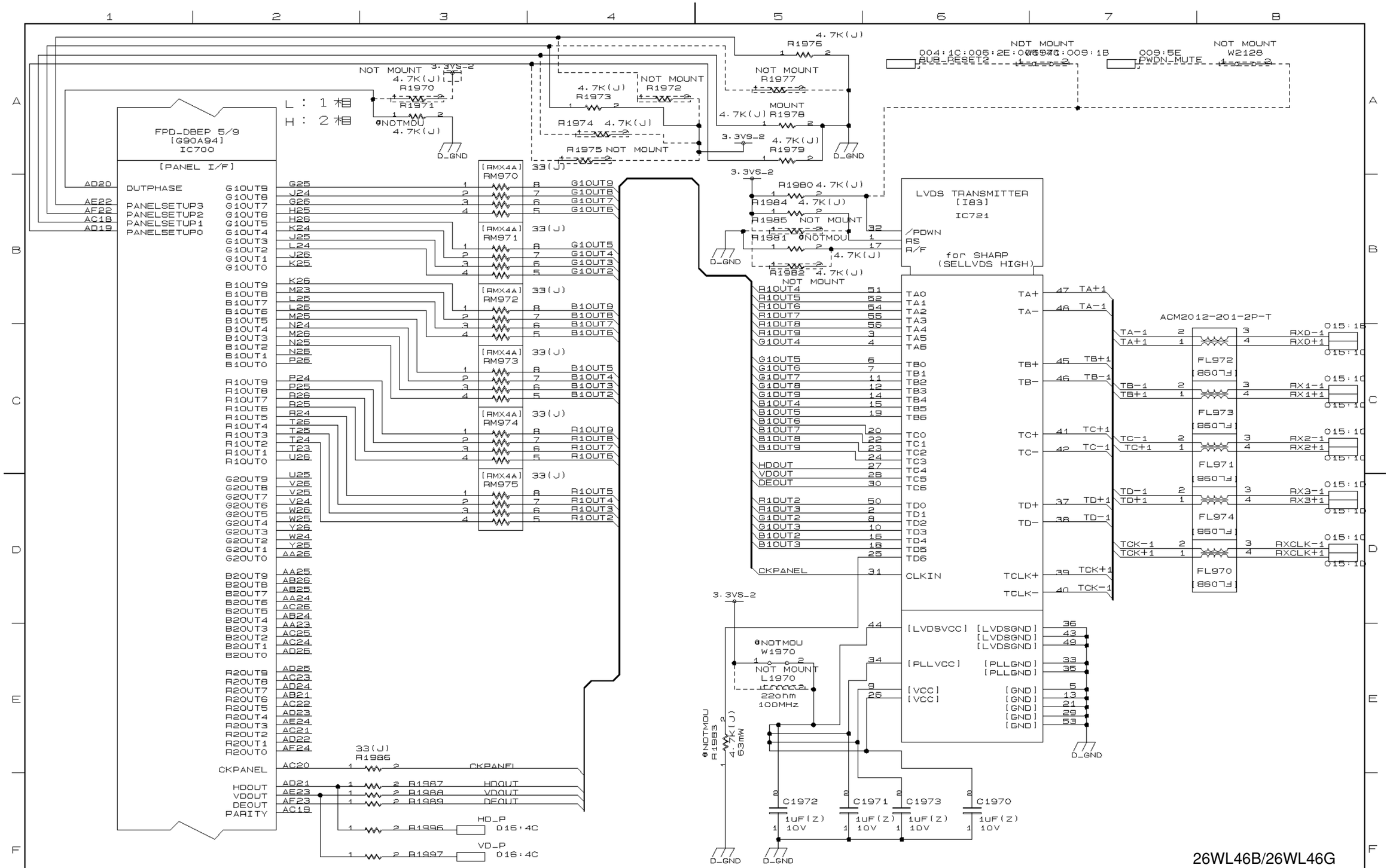


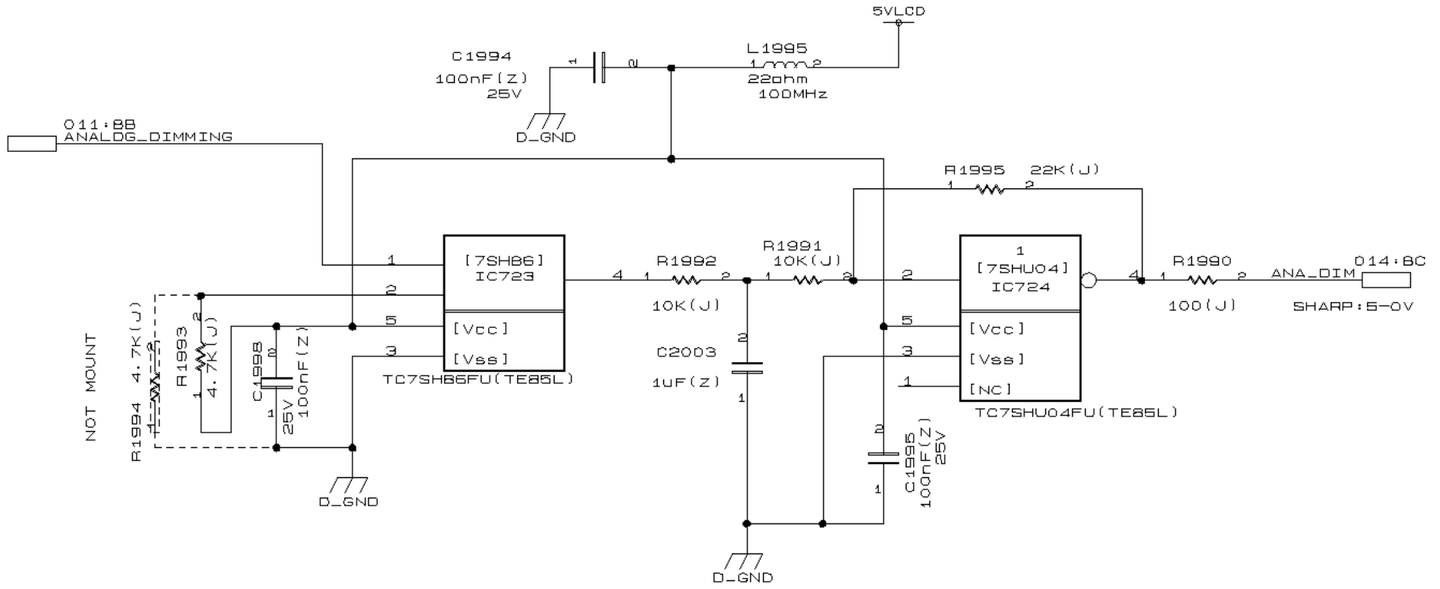
26WL46B/26WL46G
SCALER (SUB MICOM (2))
SHEET-8/23

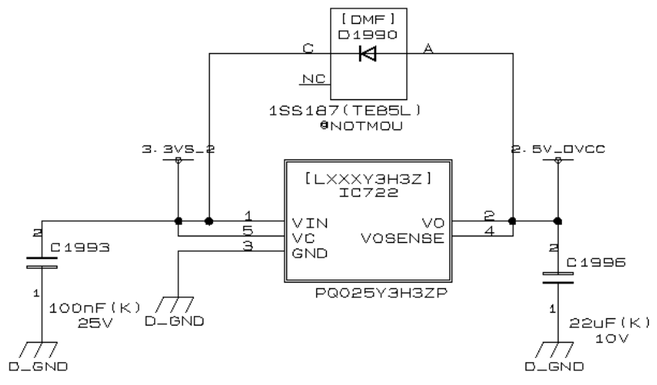


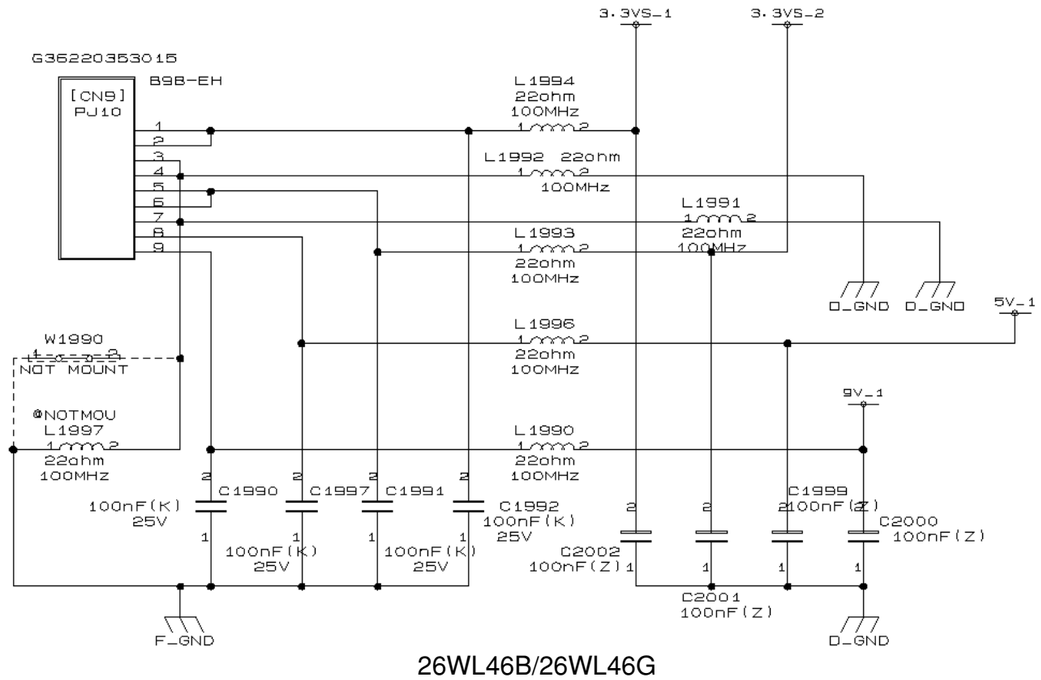


26WL46B/26WL46G
SCALER (SUB MICOM (3))
SHEET-9/23

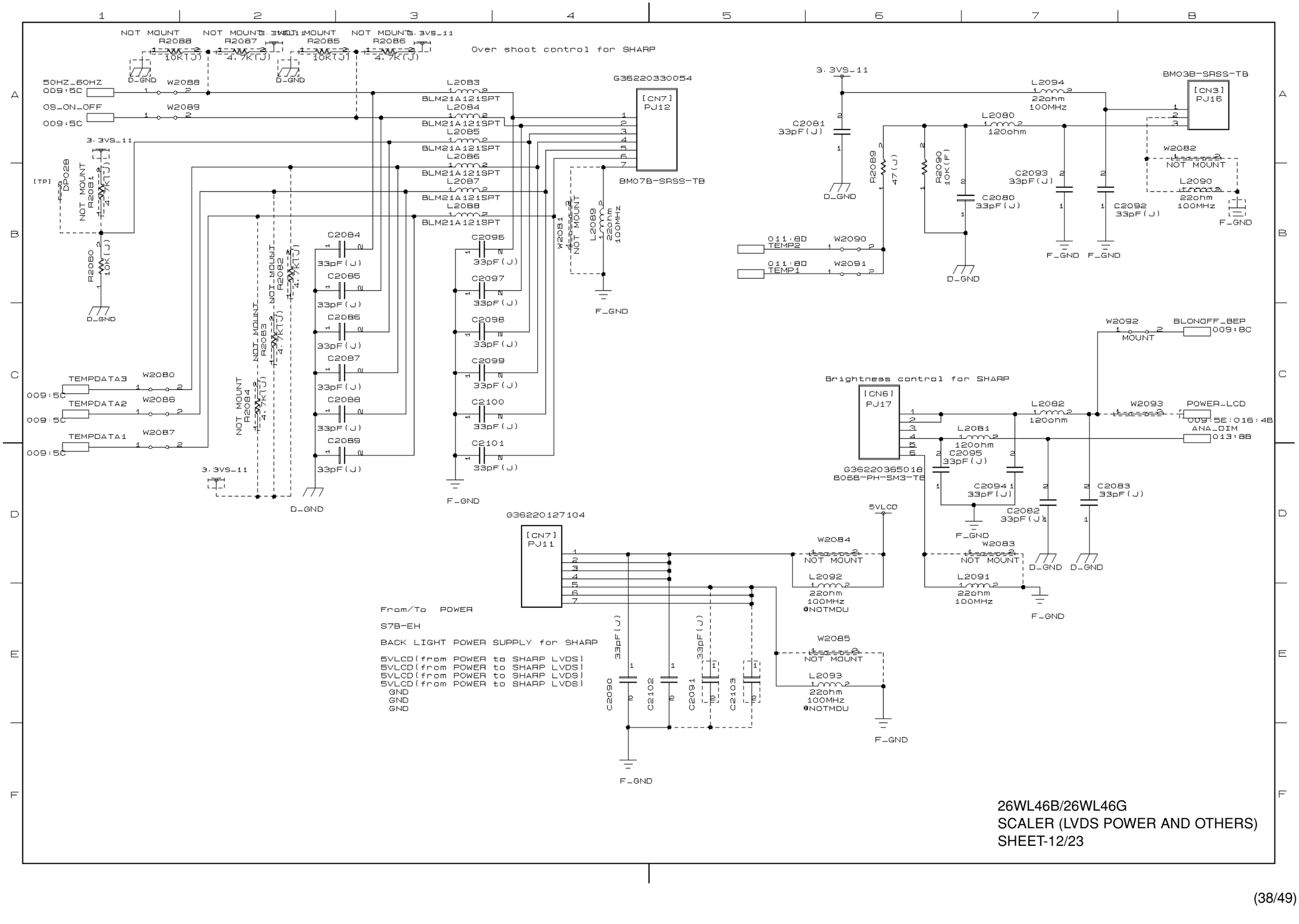

FPD_DBEP 5/9
[G90A94]
IC700
[PANEL I/F]
L : 1相
H : 2相
LVDS TRANSMITTER
[I83]
IC721
for SHARP
(SELLVDS HIGH)
/PDWN
RS
R/F
[RMX4A] RM970
[RMX4A] RM971
[RMX4A] RM972
[RMX4A] RM973
[RMX4A] RM974
[RMX4A] RM975
33(J)
NOT MOUNT
NOTMOU
4.7K(J)
3.3VS-2
D_GND
R1970
R1971
R1972
R1973
R1974 4.7K(J)
R1975 NOT MOUNT
R1976
R1977
R1978
R1979
R1980 4.7K(J)
R1981
R1982 4.7K(J)
R1984 4.7K(J)
R1985 NOT MOUNT
SUB_RESET2
PWDN_MUTE
W2128
ACM2012-201-2P-T
FL972 [8607J]
FL973 [8607J]
FL971 [8607J]
FL974 [8607J]
FL970 [8607J]
W1970
L1970
220ohm
100MHz
R1993 4.7K(J) 63mW
C1972 C1971 C1973 C1970
1uF(Z) 10V
R1986 R1987 R1988 R1989
R1996 R1997
HD_P
VD_P
CKPANEL
HDOUT
VDOUT
DEOUT
PARITY
[LVDSVCC] [LVDSGND] [PLLVCC] [PLLGND] [VCC] [GND]
CLKIN
TCLK+ TCLK-
TA+ TA- TB+ TB- TC+ TC- TD+ TD-
RX0-1 RX0+1 RX1-1 RX1+1 RX2-1 RX2+1 RX3-1 RX3+1 RXCLK-1 RXCLK+1
26WL46B/26WL46G
SCALER (LVDS OUT)
SHEET-10/23



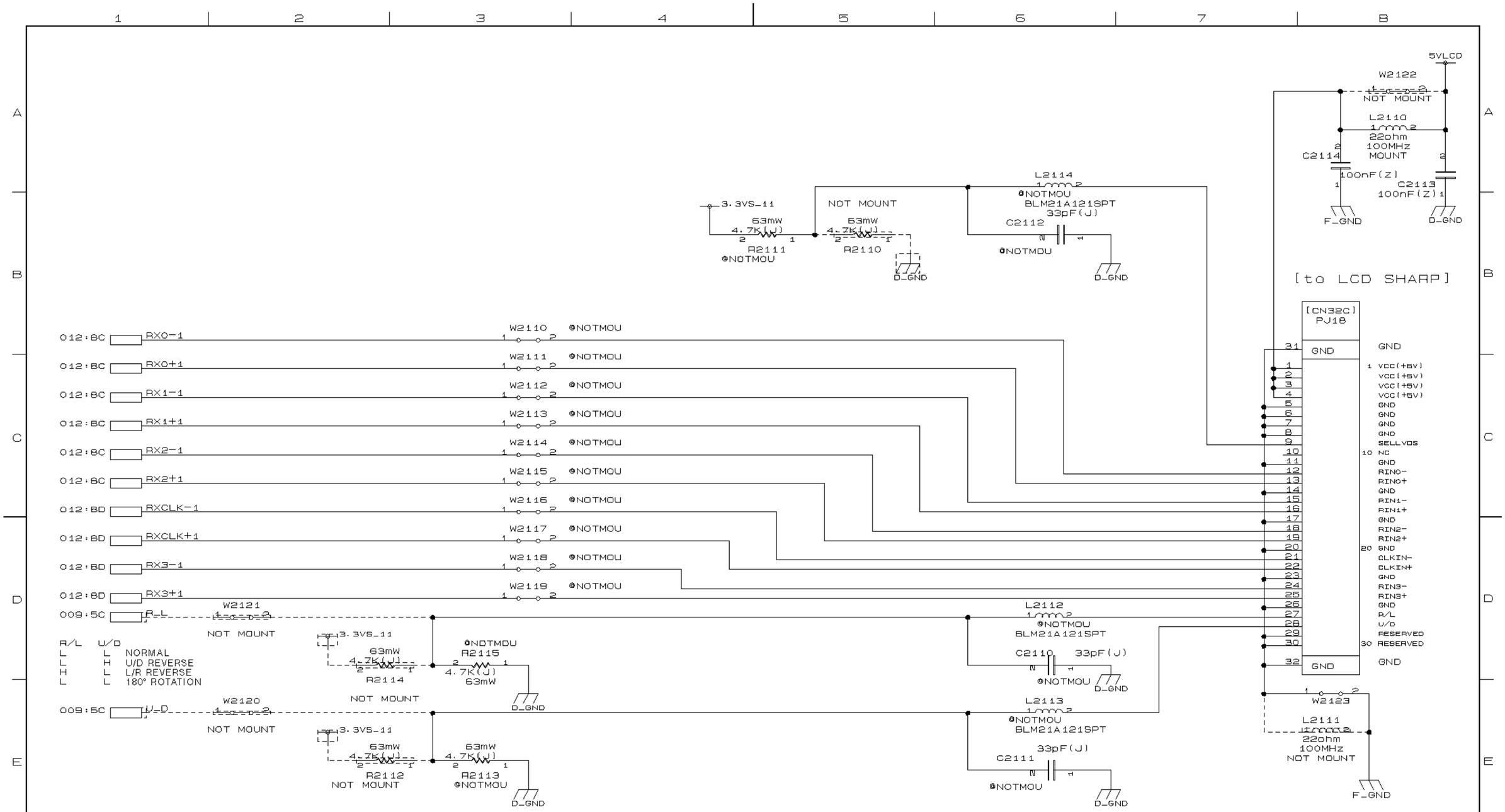




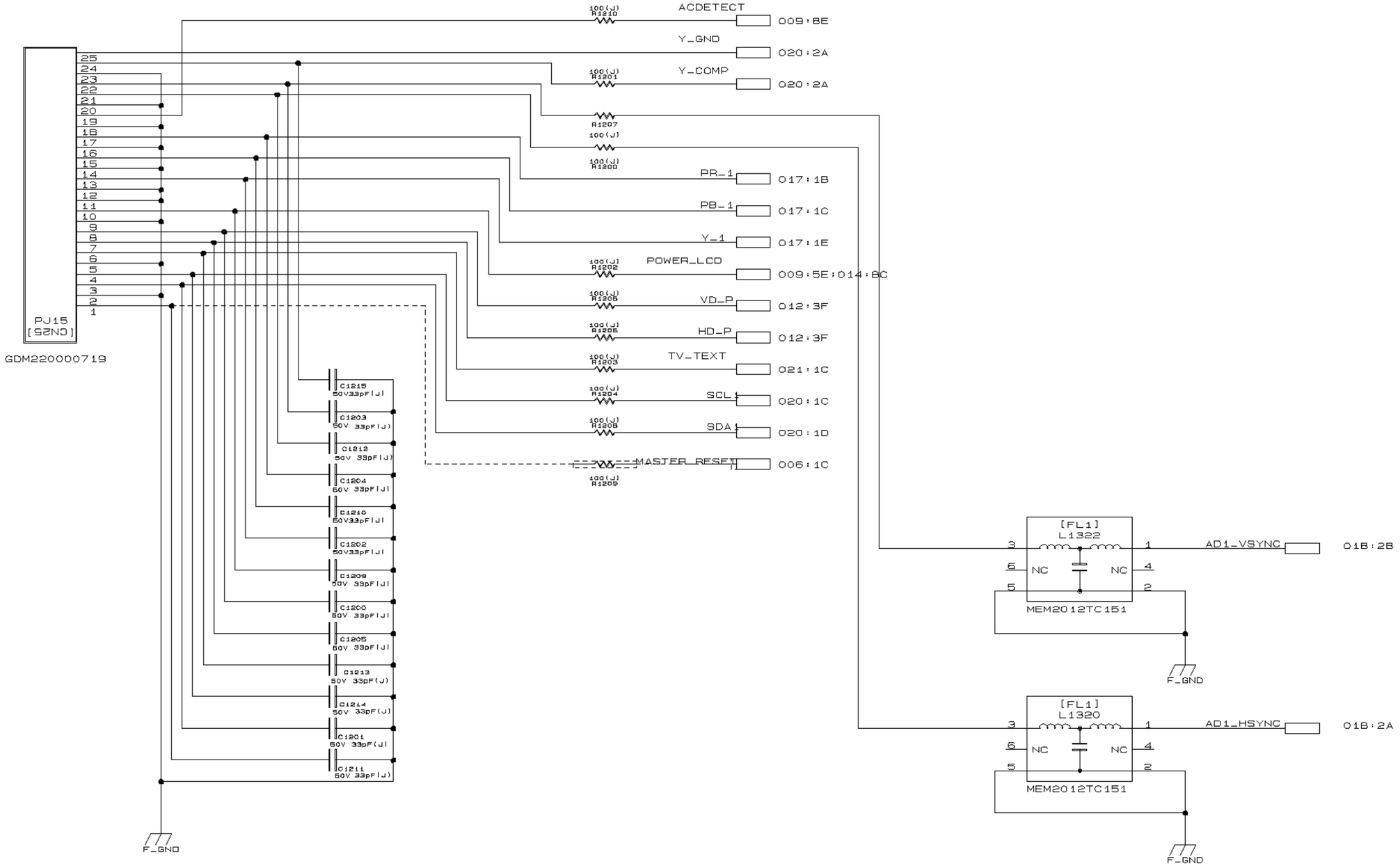
26WL46B/26WL46G
SCALER (POWER CONNECTOR AND DIMMING)
SHEET-11/23



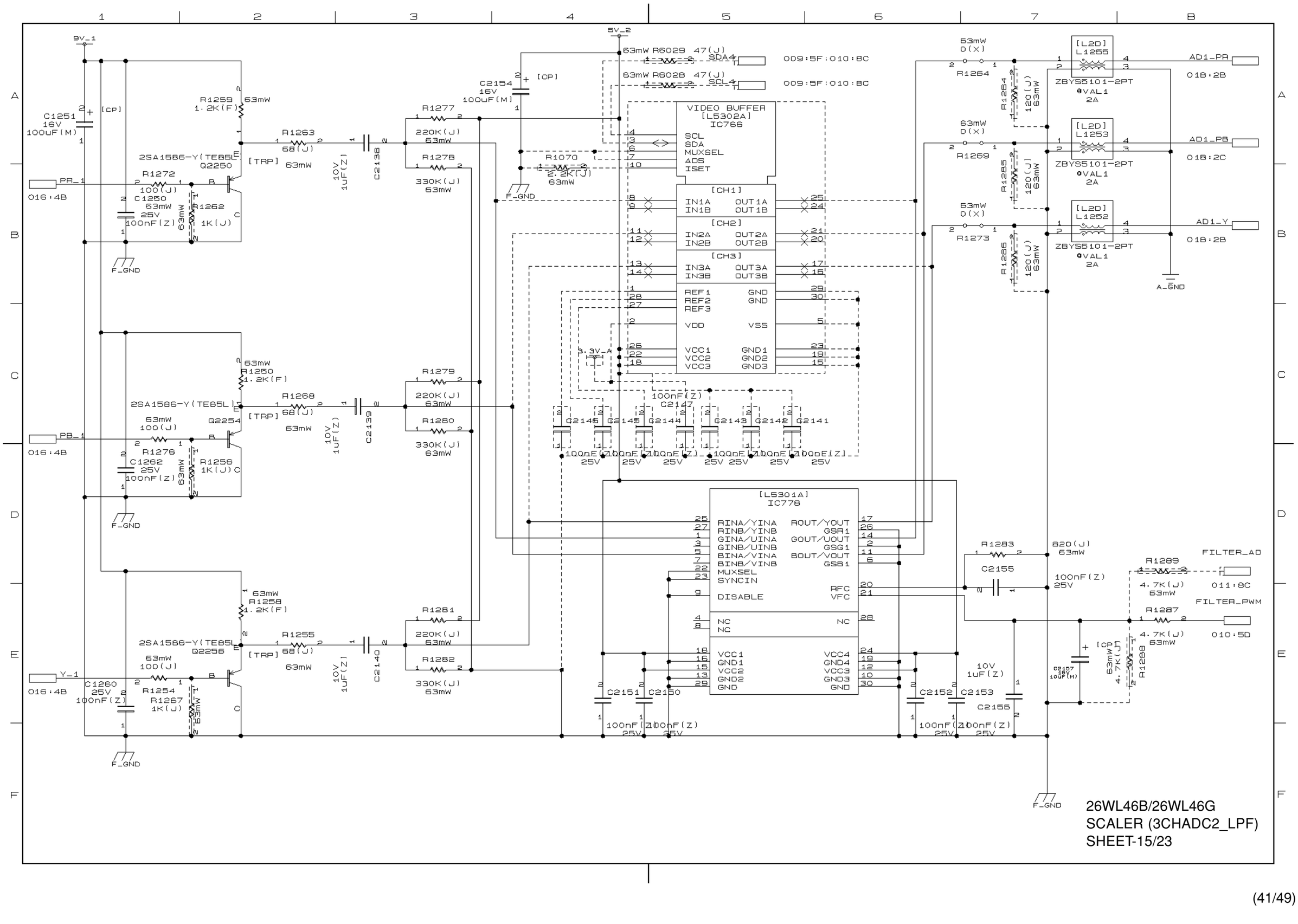
26WL46B/26WL46G
SCALER (LVDS POWER AND OTHERS)
SHEET-12/23



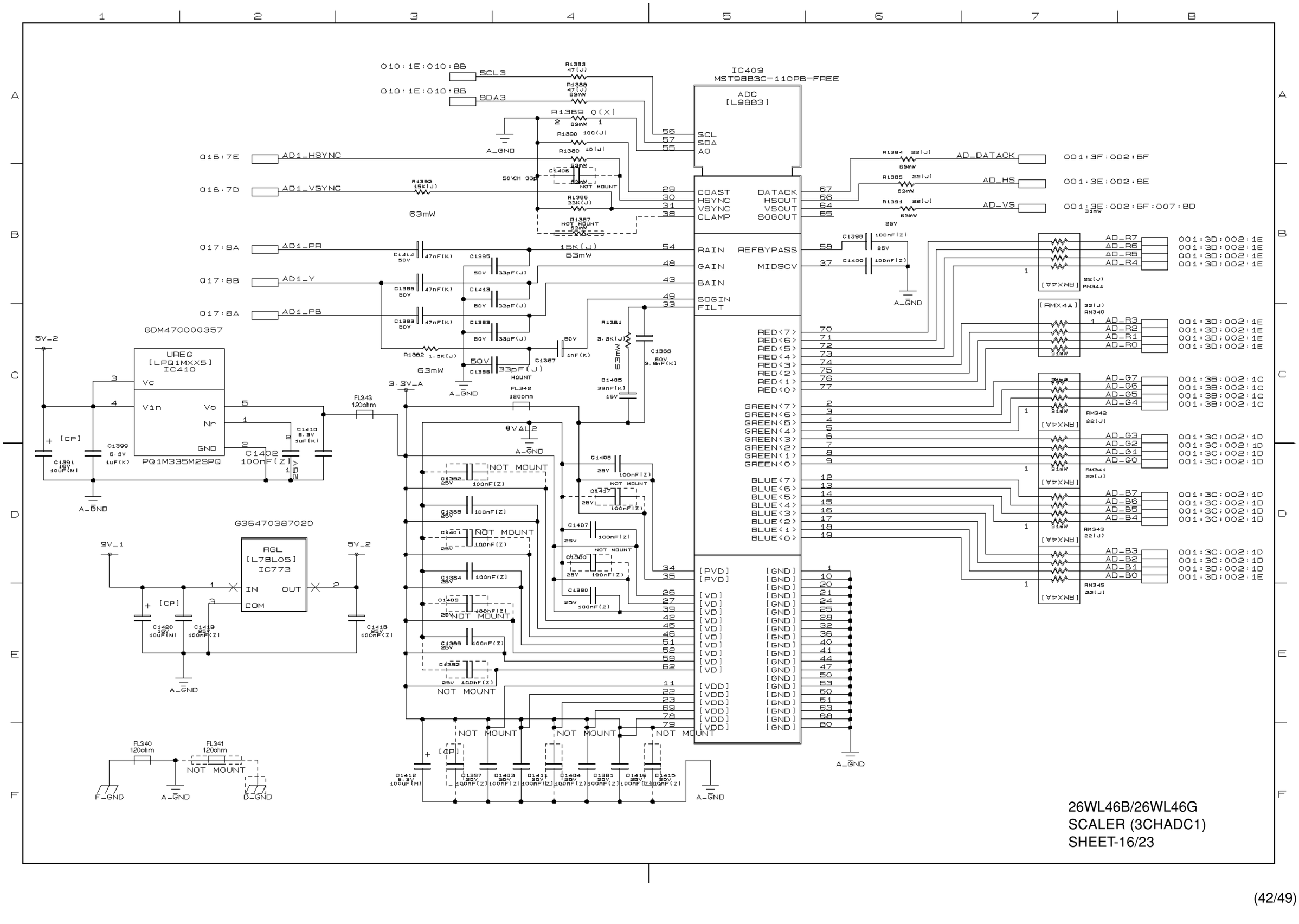
26WL46B/26WL46G
SCALER (LVDS OUT (SHARP LCD))
SHEET-13/23



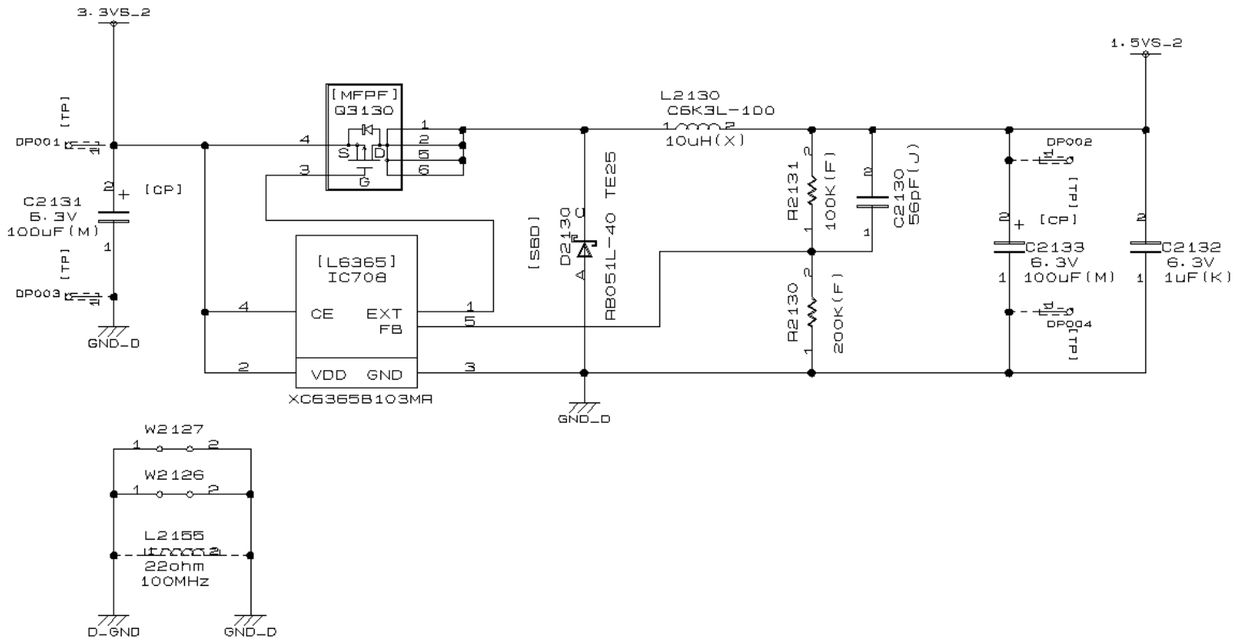
26WL46B/26WL46G
SCALER (CONNECTOR)
SHEET-14/23



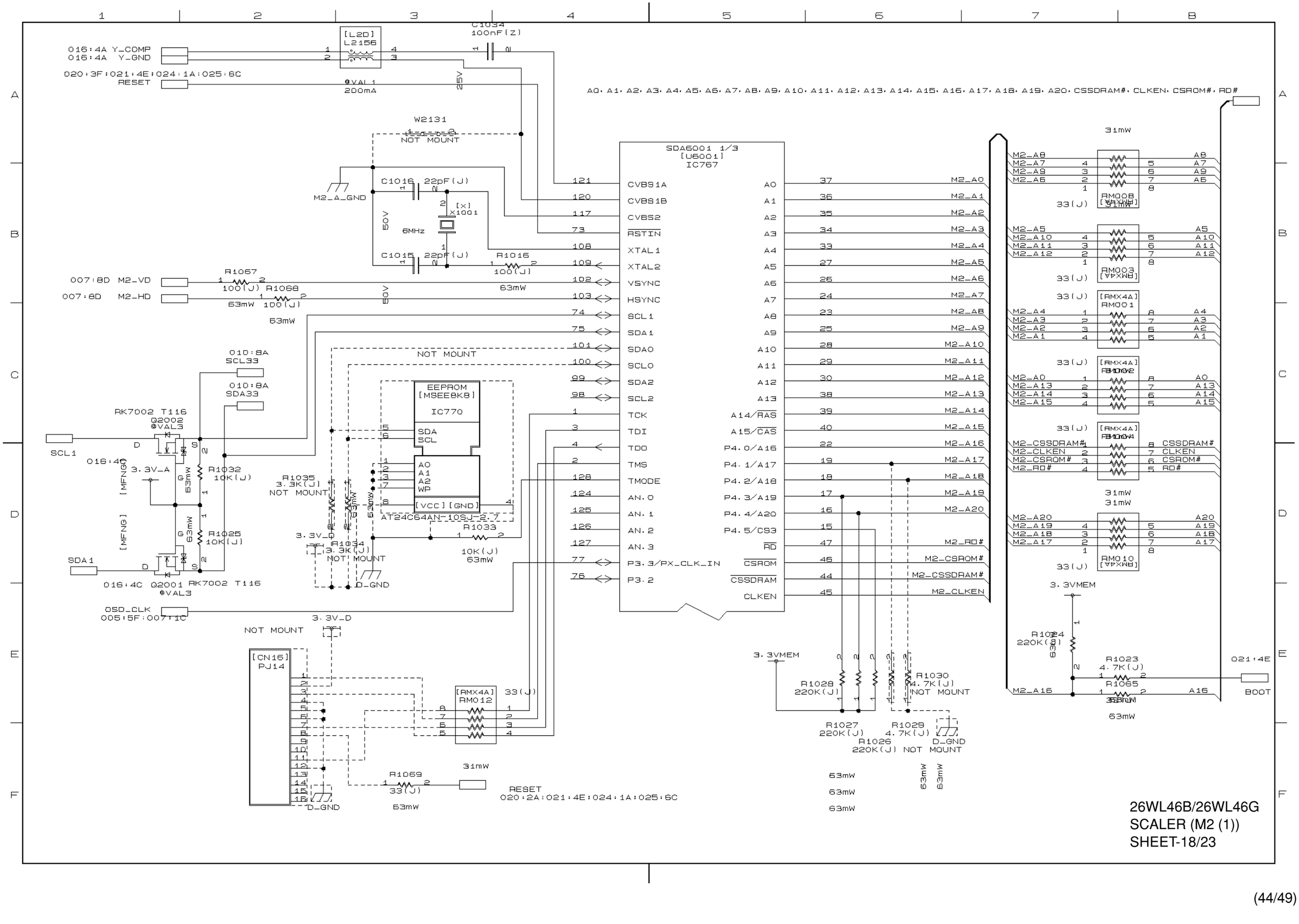
26WL46B/26WL46G
SCALER (3CHADC2_LPF)
SHEET-15/23

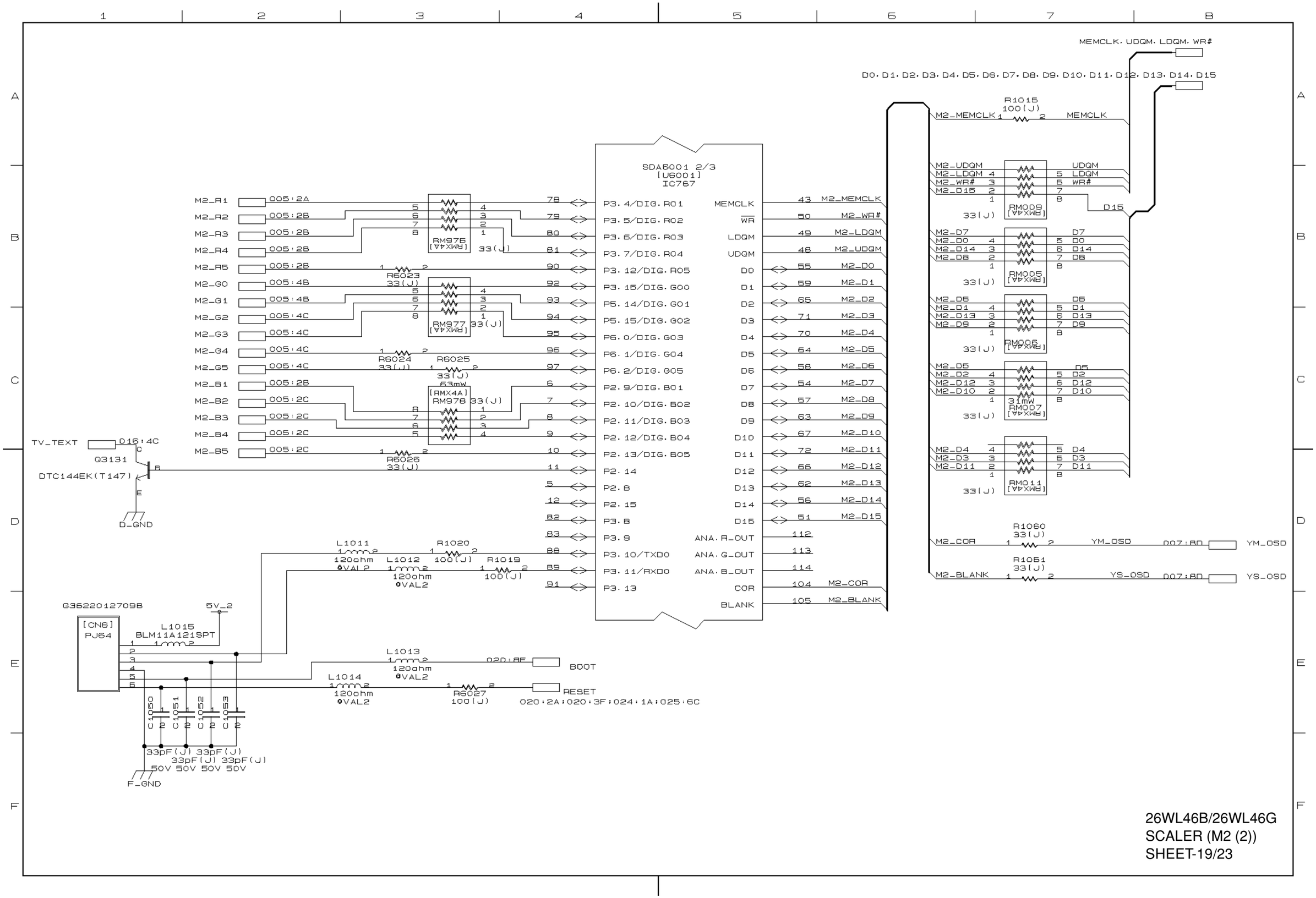


26WL46B/26WL46G
SCALER (3CHADC1)
SHEET-16/23

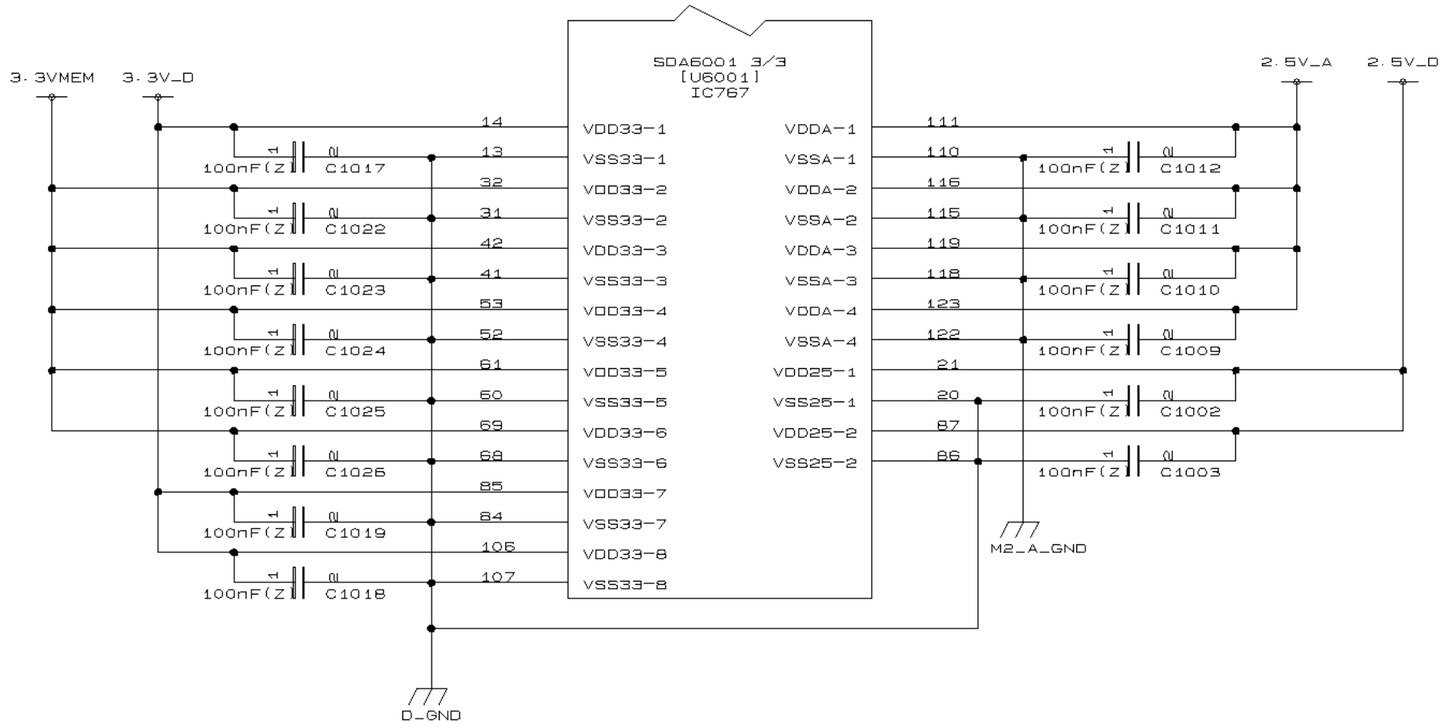


26WL46B/26WL46G
SCALER (DC/DC CONVERTER)
SHEET-17/23

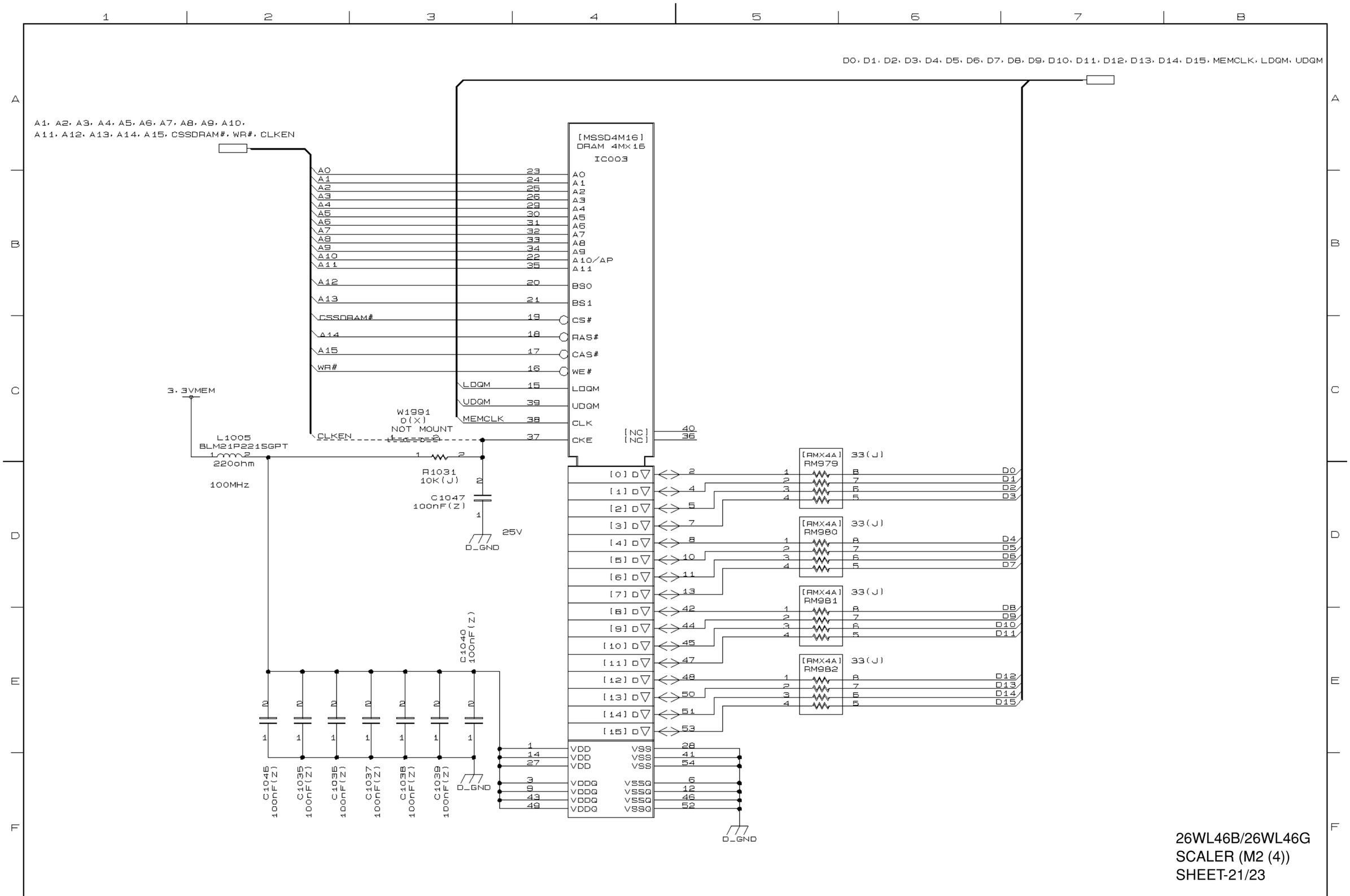

A0, A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13, A14, A15, A16, A17, A18, A19, A20, CSSDRAM#, CLKEN, CSROM#, RD#
016:4A Y_COMP
016:4A Y_GND
020:3F:021:4E:024:1A:025:6C RESET
[L2D] L2156
C1034 100nF(Z)
@VAL1 200mA
25V
W2131 NOT MOUNT
M2_A_GND
C1016 22pF(J)
C1015 22pF(J)
[X] X1001 6MHz
50V
R1016 100(J) 63mW
007:8D M2_VD
007:8D M2_HD
R1067 100(J) 63mW
R1068 100(J) 63mW
63mW
010:8A SCL33
010:8A SDA33
NOT MOUNT
EEPROM [MSEE8K8] IC770
SDA
SCL
A0
A1
A2
WP
[VCC][GND]
AT24C64AN-10SJ-2.7
R1035 3.3K(J) NOT MOUNT
R1034 3.3K(J) NOT MOUNT
R1033 10K(J) 63mW
3.3V_D
D_GND
RK7002 T116 Q2002 @VAL3
SCL1
SDA1
016:4C
[MFNG]
3.3V_A
R1032 10K(J) 63mW
R1025 10K(J) 63mW
Q2001 RK7002 T116 @VAL3
OSD_CLK 005:5F:007:1C
NOT MOUNT
[CN16] PJ14
[RMX4A] RM012 33(J) 31mW
R1069 33(J) 63mW
RESET 020:2A:021:4E:024:1A:025:6C
SDA6001 1/3 [U6001] IC767
CVBS1A
CVBS1B
CVBS2
RSTIN
XTAL1
XTAL2
VSYNC
HSYNC
SCL1
SDA1
SDA0
SCL0
SDA2
SCL2
TCK
TDI
TDO
TMS
TMODE
AN.0
AN.1
AN.2
AN.3
P3.3/PX_CLK_IN
P3.2
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14/RAS
A15/CAS
P4.0/A16
P4.1/A17
P4.2/A18
P4.3/A19
P4.4/A20
P4.5/CS3
RD
CSROM
CSSDRAM
CLKEN
M2_A0
M2_A1
M2_A2
M2_A3
M2_A4
M2_A5
M2_A6
M2_A7
M2_A8
M2_A9
M2_A10
M2_A11
M2_A12
M2_A13
M2_A14
M2_A15
M2_A16
M2_A17
M2_A18
M2_A19
M2_A20
M2_RD#
M2_CSROM#
M2_CSSDRAM#
M2_CLKEN
3.3VMEM
R1028 220K(J)
R1027 220K(J)
R1030 4.7K(J) NOT MOUNT
R1029 4.7K(J) NOT MOUNT
R1026 220K(J) NOT MOUNT
D_GND
31mW
[RMX4A] RM008 33(J) 31mW
[RMX4A] RM003 33(J)
[RMX4A] RM001 33(J)
[RMX4A] RM002 33(J)
[RMX4A] RM004 33(J)
[RMX4A] RM010 33(J)
[RMX4A] RM011 33(J)
R1024 220K(J) 63mW
R1023 4.7K(J)
R1065 33(J) 63mW
021:4E
BOOT
A16
A15
A14
A13
A12
A11
A10
A9
A8
A7
A6
A5
A4
A3
A2
A1
A0
CSSDRAM#
CLKEN
CSROM#
RD#
A20
A19
A18
A17
26WL46B/26WL46G
SCALER (M2 (1))
SHEET-18/23



26WL46B/26WL46G
SCALER (M2 (2))
SHEET-19/23



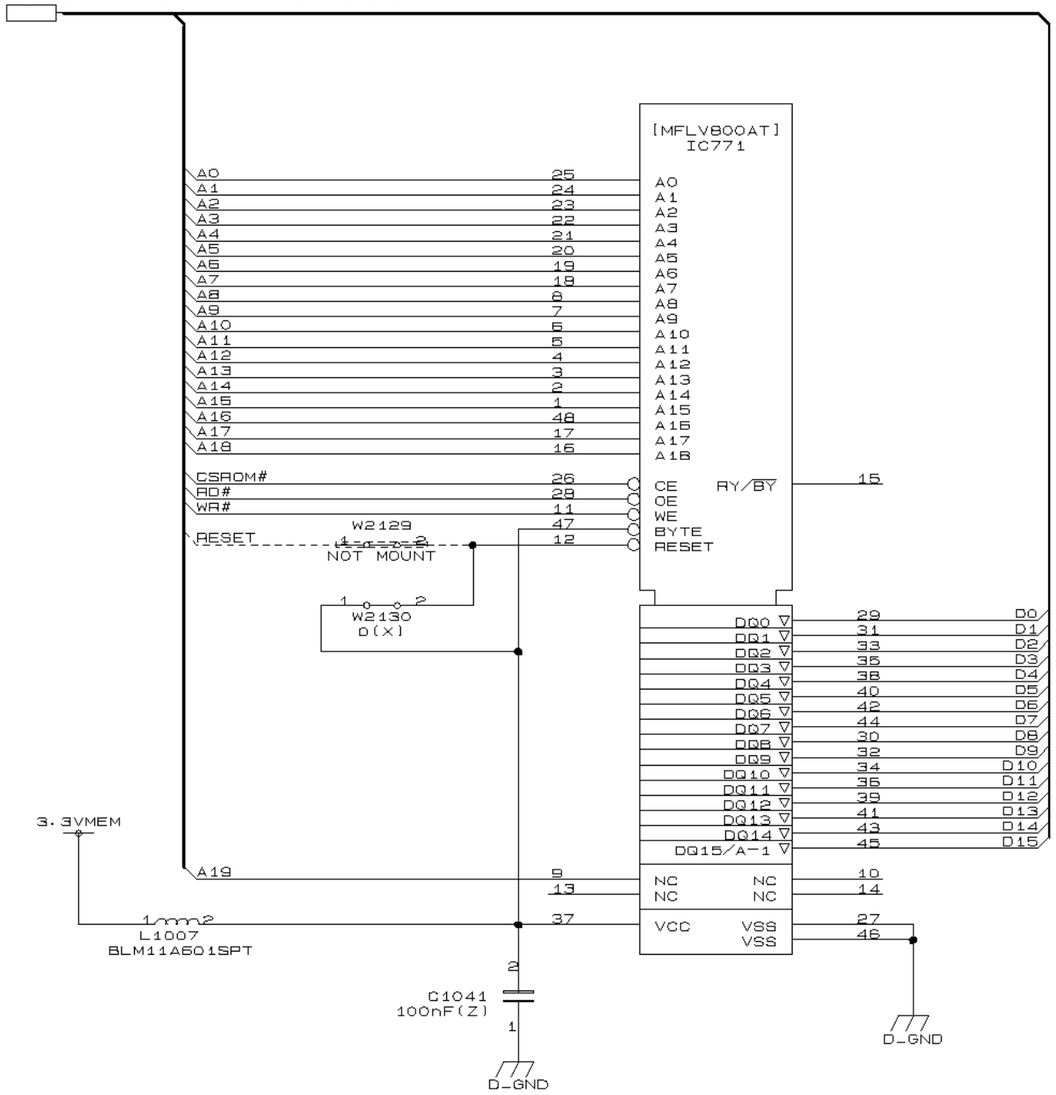
26WL46B/26WL46G
SCALER (M2 (3))
SHEET-20/23



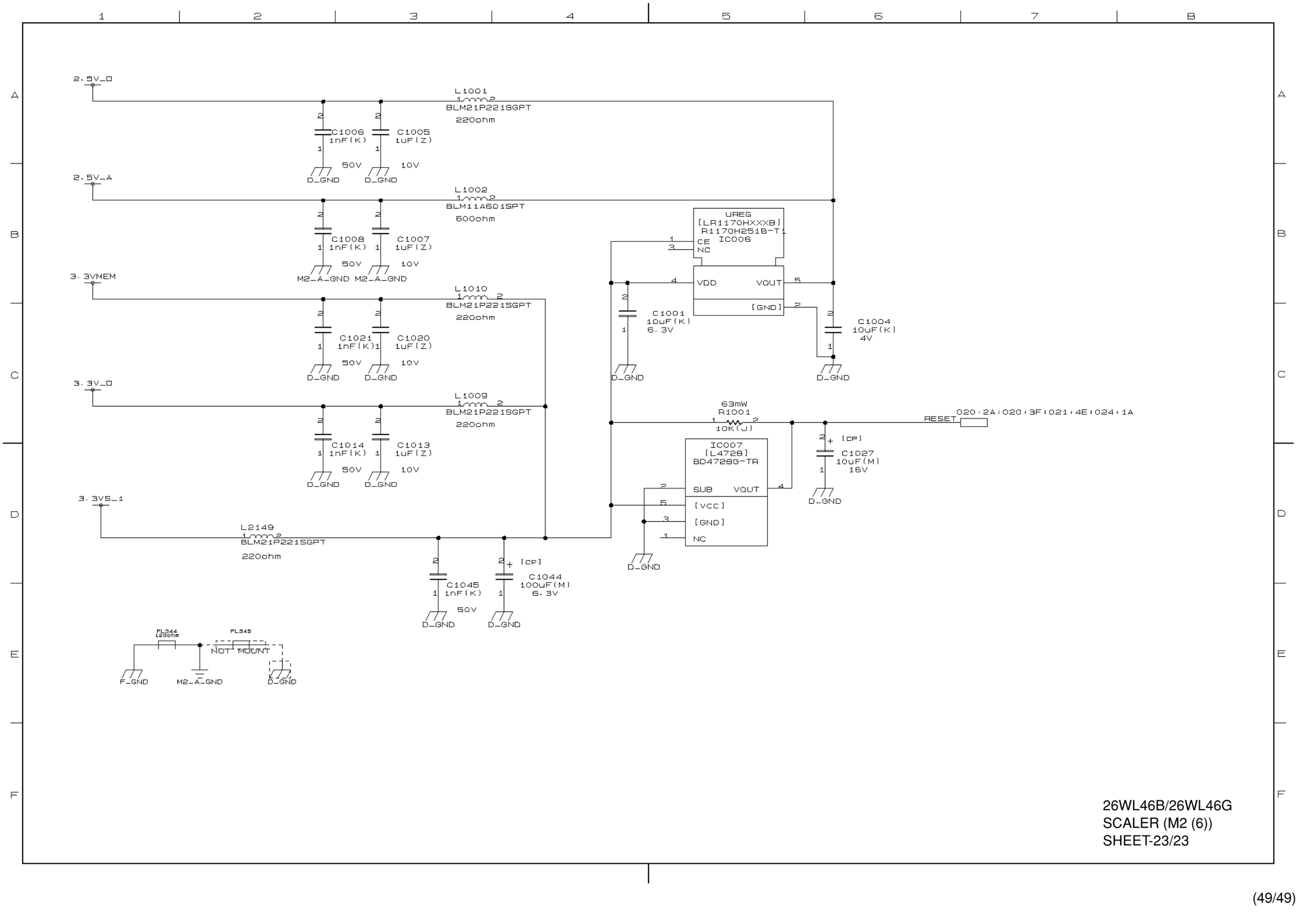
26WL46B/26WL46G
SCALER (M2 (4))
SHEET-21/23

A0, A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13, A14, A15, A16, A17, A18, A19, A20, CSROM#, D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, RD#, RESET, WR#

A[0:15], D[0:15], CSROM#, RD#, RESET_1, WR#



26WL46B/26WL46G
SCALER (M2 (5))
SHEET-22/23



26WL46B/26WL46G
SCALER (M2 (6))
SHEET-23/23